

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: "Dan Tayloe-P26412" <Dan_Tayloe-P26412@email.mot.com>
Subject: [11186] 160m no-net
Message-ID: <M29263295.008.6vk06.1.970206160942Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Is this 0100 UTC? I would love to try AZ-East coast QRP. I was beginning to wonder if anyone else was QRP on 160.

- Dan Tayloe, KK7BD, Phoenix, Az; QRPL # 696; Az ScQRPions

>Listen for NN1G, W1FMR, AA1IK on 160m on Thursdays
>at 8 pm on 1.810 MHz. (Before the Colorburst Sprint)

>W1FMR

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [11179] 38S arrived!
Message-ID: <Pine.SUN.3.91.970206101005.5271A-100000@kitsune.swcp.com>

To ALL involved in the 38S kit, THANKS!!! Received mine yesterday and just in time because I'm almost finished with my 49er. 49er was a pleasure to build! ONLY head scratcher was the J4 bit. I have REV A and no trace. Guess I didn't need it must be in a trace already. Again, THANKS VERY MUCH! Tom WB5QYT.qrp-1 640

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: Bill Meahan <www@wa8tztg.mi.org>
Subject: [11123] 38S: Another approach to TiCK sidetone?
Message-ID: <32f93cbe.wa8tztg@wa8tztg.mi.org>

OK, gang, what am I missing?

Since U4D and U4E are not used with the TiCK mod, why isn't the "sidetone" output of the TiCK fed to pin 15 of U4D (with D8 removed) instead of directly to R17? With R15, R16 and C31 out of the way (not needed) one would simply get 2 stages of buffering (U4D and U4E) and the sidetone would feed the audio chain the same as the non-TiCK sidetone and shouldn't require the "extra" 4.7K at the input of U5A. Since pin 19 of U4 is grounded, U4D&E are active all the time and not affected by transmit or receive switching.

This solves the problem of "floating" inputs to U4D and requires far fewer alterations to the board.

Obviously I've overlooked something - it's too darn simple ;-). Must be the wolverines (no badgers this close to Ann Arbor).

Bill Meahan WA8TZG

wmeahan@wa8tztg.mi.org

ARRL, IMRA, QRP-L(#117), NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)

All statements herein are worth exactly what you paid for them

cat: a purr bearing mammal

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [11126] 38S: More extended frequency ideas

Message-ID: <199702060307.UAA12308@zia.aoc.nrao.edu>

There's been some discussion about the extended frequency mods, the difficulties of finding a 5.6uH inductor, etc.

Well, here's a few simple things to try using the existing 4.7uH inductor for L1:

	RESULT
1. Replace 1N4004 D3 with a MV209	Tunes 10.100 - 10.117
2. Put another 1N4004 in parallel with D3	Tunes 10.102 - 10.122
3. Put a 1N4001 in parallel with D3	Tunes 10.104 - 10.121

The 1N4000 series rectifier diodes have ABOUT 30pF of capacitance. It is something that is not controlled during their manufacture, so they will vary a bit. So if you have a few 1N4001's, 4002's, etc. laying around, try them in parallel across D3 for the best effect.

The more capacitance you have (at minimum voltage), the lower you will pull the frequency down ... but at the same time, you want very little capacitance (at maximum voltage) to keep the high frequency around 10.125 or so for the EXTENDED range, not just pulling it down. So if you have some rectifier diodes around, experiment with a few, and you will probably find one that has the right minimum/maximum capacitance in parallel with 1N4004 D3 to hit the 10.100 "bottom" and good range.

Adding the few winding to L1 also works well if you wind it in the proper direction. If it don't work for you, rewind it in the opposite direction (CW vs. CCW, etc.).

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [11124] 89er Info
Message-ID: <32F944B1.12FC@harksystems.com>

Hi gang,
I built what I am calling an "89er Plus".
(With apologies to NORCAL ;)
Basically it is a transcvr based on the NE602
like the 40-9er. Except that mine has a stage of
active audio filtering and uses an LM386 audio amp.
If you want to modify or build a 40-9er for 80 mtrs then
here are the values I came up with for my radio that
should transfer well to the 40-9er design.
I'll use the 40-9er's parts identifiers:
Front-end:
C1 = 47 pF
C20 = 213 pF
RFC1 = 5 uH (T-50-2, 32 turns of #30 wire)
Xtal circuit:
C6 = 100pF
Transmitter Output Net:
C17 = 1500 pF
C18 = 1600 pF
RFC5 = 2.2 uH
Note: On my 40-9er I used different values than stock to
obtain better spectral purity (did *I* say that?).
For 40 meters C17 = 740 pF, C18 = 820 pF and RFC5 = 1.1 uH.
I got more output and the second harmonic was down "alot more".
(easily -30dB)
If you don't have the 40-9er kit it is very easy to build
as ugly construction on perf board. You can follow the PC
board layout and use the parts leads bent around like the
PC board traces. A few jumpers of insulated wire won't hurt
a thing if you don't get it exactly the same as the PC board.
One more hint... with a 9 volt battery I got 500mw, with
13.8 volts, 1.5 watts out.
--
73, Randy WJ4P
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: ac4gt@juno.com (nathan c tart)
Subject: [11228] <info-serv@arrl.org> (HQ Automated INFO Server): INFO

Message-ID: <19970206.174519.4759.5.ac4gt@juno.com>

----- Begin forwarded message -----

From: <info-serv@arrl.org> (HQ Automated INFO Server)
Subject: INFO response: HEATHPTS.TXT
From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [11114] AE4JM
Message-ID: <199702060058.AAA04964@chuck.dallas.sgi.com>

For those of you not paying attention!!

Do you remember the young pup that I worked on 30M from
from the South USofA? The one that I sent a paddle
and keyer to? The one that was doing 20wpm on a straight
key?

I knew you would.

dit dit

SIG

Chuck Adams K5FO adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [11138] Antenna suggestions: Loops
Message-ID: <19970204165614.AAA10528@LOCALNAME>

At 04:14 AM 2/4/97 +0000, you wrote:

> Hi gang,

>

> There is one disadvantage to a loop that no one mentioned. It
> applies to any antenna operated at multiples of it's fundamental
> frequency, but I have seen the most extreme examples when modeling loops.

I haven't noticed the nulls to that extent. Even compared to a vertical, the
differences seem in favor of the loop, esp. in terms of noise. Of course a
LOT is determined on relative take-off angles, too, so a loop must be about
as high as the top of the vert. to compare. I have the luxury of big trees,
so no problem. In fact, the ONLY thing I've tried that outshines the BIG
LOOP, (1400' hexagon at 50-80'), is the half-square, and then only in it's
preferred direction/freq. and on VERY long paths. Rhombics and wire beams
would, but I prefer simplicity, omni-directionality and all-band
performance for now, esp. for FOX HUNTS & FSFD.

I've tried to steer the nulls/lobes by rotating the loop thru the pulleys on the support lines rather than have multi-feed points, and have found some advantage on the low bands, -almost none on hi bands. Can't explain it...

maybe modeling mavens can? 72 =s=

"Seab" Lyon - AA1MY

Bethel, CT; FN-31-HJ

ARCI#9253; QRP-L #574

NEQRP#511; ARRL; QCWA

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: Allen Jones <ajones@adsnet.com>

Subject: [11165] ARCI Logo

Message-ID: <1.5.4.32.19970206150744.006aef50@adsnet.com>

Does anyone have a *good* scan of the ARCI logo? I downloaded a zip file of QRP club logos from the ARRL bulletin board that contained the ARCI logo in both PCX and TIF formats. They are OK as long as you keep them small but as soon as you attempt to increase the size a bit they look pretty ragged.

I've been designing my own QSL cards using Word and wanted do one especially for QRP contacts with a prominent ARCI logo.

Thanks.

Allen Jones, W9DZ

Michigan City, IN

ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: "Richard E. Fisher" <ki6sn@pe.net>

Subject: [11136] ARS February Spartan Sprint Scores

Message-ID: <01BC13B0.C340B1A0@ki6sn>

The February 3, Adventure Radio Society Spartan Sprint was a showcase of great operating skill and endurance. Band conditions were less than optimum, with 80 meters offering slightly better results than 40. There were a combined total of 66 QSOs reported on 80 and 58 on 40.

And, as a certain legendary Yankee catcher would have put it: It was =
deja vu all over again. Mike, W3TS, took top honors in the =
points-per-pound category,
while Owen, K10J, placed first in total points, mirroring January's

SP results.

For the first time, ARS offered participants the option of submitting Sprint scores through an automated form on the society's web site, = thanks to the ingenuity of ARS founder Russ Carpenter, AA7QU. We are pleased that several operators found it useful, and hope that the simplification of score reporting will make future ARS competitions even more "operator friendly."

Following are the results of the February '97 Sprint. Sincere thanks to = all who braved awful band conditions, making the best of a bad = situation.

Vy 72,

Richard Fisher, KI6SN
ARS No. 3

February 1997 Spartan Sprint

Results sorted by points per pound (with one point for each 40 meter = QSO,
and two points for each 80 meter QSO):

Call	Name	40m	80m	Total	Wt.	Points/Lbs.
W3TS	Mike	3	22	25	1.31	19.08
W6ZH	Pete	10	8	18	3.80	4.74
KK6BD	Dan	2	20	22	5.00	4.40
WD8RIF	William	3	22	25	9.00	2.78
KI6SN	Richard	0	6	6	2.40	2.50
W1HUE	Larry	6	22	28	12.50	2.24
K10J	Owen	18	28	46	22.00	2.09
WA8GHZ	Jack	9	0	9	7.90	1.14
AC6XK	Lorraine	3	0	3	4.20	0.71
N2TNN	Dean	3	0	3	18.00	0.17
KC1FB	Jim	1	4	5	49.00	0.10

Results sorted by points:

Call	Name	40m	80m	Total
K10J	Owen	18	28	46
W1HUE	Larry	6	22	28
W3TS	Mike	3	22	25
WD8RIF	William	3	22	25
KK7BD	Dan	2	20	22
W6ZH	Pete	10	8	18

WA8GHZ	Jack	9	0	9
KI6SN	Richard	0	6	6
KC1FB	Jim	1	4	5
AC6XK	Lorraine	3	0	3
N2TNN	Dean	3	0	3

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997
 From: Scott Bauer <ke3nv@erols.com>
 Subject: [11146] ATTN: QRP KIT SUPPLIERS
 Message-ID: <199702060725.CAA30660@smtp3.erols.com>

Attention all kit suppliers! Fists CW Club (I.M.P.S.) is in the progress of a club QRP kit project. We are looking for a kit supplier that can offer a quality mono band QRP rig at an affordable cost. We have, or will contact the following kit makers asking what they can offer for a decent price.

S&S Engineering, Small Wonder Labs, Emtech, Ten Tec, MXM, OHR, and Wilderness Radio have all been recommended so far.

The reason for this posting is to find out if I have left anyone out.

I have been working with Nancy Kott/WZ8C, the North American Rep for Fists for the last few months getting this project up and running. We have recieved several positive responses to this project and look forward to all recommendations from QRP-L for a kit supplier that we might have missed.

If you would like to know more about Fists CW Club, please visit the following web site. <http://n9nvv.qrp.com/~fists/>

All responses will be greatly appreciated, and thank you in advance for any support that you may offer.

Disclaimer: Im a proud member of Fists CW Club and believe that anyone that uses CW should support this group. As far as the mentioned kit suppliers go, I have no financial to doings what so ever with them.

72, Scott
 72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
 Fists 1502 QRP Nut SWL Truck Pilot ARRL
 Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
 S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.
 38 special at 300mw

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: wager@juno.com (James W. Cates)
Subject: [11160] Bouncing Mail (from me)
Message-ID: <19970206.071007.3582.47.wager@juno.com>

I have several messages lately returned as undeliverable, even though sent via the reply click. I answer ALL messages, so if no reply from me in a couple of days, please try again. Tnx., jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: kd1jv@juno.com (Steven Weber)
Subject: [11194] center loaded dipole?
Message-ID: <19970206.134618.4863.0.KD1JV@juno.com>

Hi Gang,

Just wondering if anyone has ever tried a center loaded dipole? What I have in mind is this, I have room to put up a 20 M dipole here at my shop, but would also like to use it on 30 and 40. So, I was thinking of putting a coil in the center of the dipole to load it. Most likely would use realys to select taps on the coil, for 20, 30 and 40.

Any advice, comments? I guess I really need to brake down and buy one of those MFJ SWR Analyzers.

I've got a G5RV strung up now, but can't get it high enough. A good couple of feet of the open wire lays on the ground.

BTW, Just finished etching a board to make a High-Gain Broadband Active Antenna. The circuit was in the Jan 6, 1997 issue of Electronics Design in the "Ideas for Design" section. By using two 6 foot Al. poles, it's claimed to cover 100 Khz to 40 Mhz with up to 26 dB of gain, depending on the gain resistors you choose. Put a rotor on it and you can null out QRM, provided its coming from a diffrent direction! It uses Jfets to buffer the High impedance dipole to a Maxum MAX436 250 Mhz op amp. I'll let you all know how it works in a day or two.

de KD1JV Steve in NH

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: Norbert.Heyder@ri.dasa.de
Subject: [11163] CQ qrp-1 today on (+-) 14.059Mc by DL8BDF/P
Message-ID: <9702061515.AA02304@mail-s.ri.dasa.de>

Hi all over there at the opposite of the duck-pool,

the subject says it all. Will start soon at 16:00 UTC until
the 20m band will close in northern Germany(~19:00 UTC who knows?).
I'm back for a while on the internet afterwards.

CU there, 72 de Bert DL8BDF/P

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: chuck.olson@sbaonline.gov
Subject: [11222] DAN'S SMALL PARTS EMAIL?
Message-ID: <9702061714.A7626wk@sbaonline.gov>

Hi folks,

Does anyone know Dan's (of Dan's Small Parts) email address ??

I didn't see one on the web site, but I would think he'd have one.

I have a question concerning a recent order.

Thanks and Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [11206] Dayton Hotel Rooms????
Message-ID: <01BC1437.F4273BE0@pm2.ppp52.webzone.net>

Hi Gang,

Are there any hotel/motel rooms still available for Dayton?
As usual, I have waited until the last minute again.... any

help will be appreciated... heck, I'd even buy you lunch for your efforts.

Thanks in advance for your help.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [11217] Dayton Hotel Rooms????
Message-ID: <01BC1442.919CCA20@pm3.ppp80.webzone.net>

Thanks.... I booked a room withing 45 minutes of the posting!!

Is the a great group or what??

I owe Jim Owens lunch for finding me a room.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [11117] Digital "Bandplan"
Message-ID: <19970205.200950.4655.1.wb2vuo@juno.com>

The local packet club in Rochester had a copy of something called "The Considerate Operators Frequency Guide", which was a many-times copied list from one of the packet BBS's.

It listed Eu packet on 40 Meters from 7.030 to 7.040 MHz. My copy is so dog-eared that I can't make out the routing, but it came from a DL-based BBS.

Anyone have a copy of this supposedly "Considerate" guide. Not many "Considerate" HF Packeteers out there that I have seen...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPP Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: "William R. Colbert" <V31XE@dzdn.com>
Subject: [11167] digital bandplan questions
Message-ID: <32FA18B0.EE8@dzdn.com>

Re: NA5k's comments, and others. I had a most unpleasant run-in this morning with one of the digi-goons - was accused of qrm'ing his qro pactor signal with my 2 watts. (did not hear him until I had made a comment about being glad the digital had stopped.) This station is none other than K6STI - Brian Beezely, author of many articles for QST, CQ and other pubs. He also sells software promoting items he has written about. I have been somewhat interested before, but after hearing his deliberate efforts to subvert the cw spectrum to his digital stuff. I will never even consider reading any of his information in the future, much less buying any of his products. As I listen to the frequency (7.030) he has gone from Pactor to RTTY, and what sounds like SSTV is now starting up. In making his comments to me, he moved right onto another qso, totally distupting that qso, without so much as a qrl?. I guess he only has a transmitter correctly working.

--

-
Ray Colbert, W5XE, SOWP 1064M, FISTS 2146

(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: JFelts4572@aol.com
Subject: [11223] F/S Sierra, KC-2, 40,30,20,17 modules
Message-ID: <970206151958_848699239@emout14.mail.aol.com>

Thank for all the replys, the Sierra has been taken.

Jerry -- NR5A -- Box Elder, SD

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: Jim Hydzyk <congress@magpage.com>
Subject: [11140] For Sale Drake R-8 Yaesu FT-840 more
Message-ID: <199702060533.AAA03207@alaska.magpage.com>

Hello All,

For Sale in Mint Condition:

Drake R-8 bought new from EEB w/orig. box/foam-plastic/manual
Hot Rcvr \$595

Yaesu FT-840 bought new from HRO orig. box/manual/mic/dc cord
Ran Spartan Sprint on Monday :) \$595

Yaesu FT-2400 Used in house only, w/box/dc cord/backlit mic/manual
Looks like new \$250

DSP-9 with latest factory chip upgrade \$55 Mint condx.

Old Stuff--not so mint
Hallicrafters SX-110 with manual, vy clean but hums \$60
National NC-88 with manual, good condx \$50
Zenith Transoceanic with schematic/parts list, I'm using it now.
Cleanest one I've seen in 30 years \$95
Hallicrafters SX-43 and Matching speaker (not working) \$65 (both)
^not very pretty^
Johnson Viking II with B&W Sideband slicer attached (BIG) \$75
Missing finals

Items came from a good friend who needed to move out bad neighbor situation and I passed on the bucks to get him out NOW. Top 4 pieces are like new and I've checked them out over the last two days....work fine.

This is a non-profit situation so if not picked up, help will be needed with shipping. I do have a few friends traveling from NC to NY so some arrangements can be made. If not sold here, the gear will appear at Timmonium Hamfest in April with friends. I can't lift this stuff with the 4 herneated disks so pickup is much preferred.

Thanks, Jim K3QIO Wilmington, DE 3 miles off of I-95

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [11225] For Trade or Sale -- Stuff! (Correction)
Message-ID: <32fb596b.80159125@pop.usit.net>

On Tue, 4 Feb 1997 10:49:32 +0000, "Marty Watt" <mdwatt@usit.net>
wrote:

I have several items I'd like to sell/trade, in the hopes of=20
garnering a multi-band QRP/QRO rig.

1. Toshiba Laptop Satellite T-1900

Mono screen, 486/20, 200MB hard drive, 14.4 or 28.8 PCMCIA fax modem (the 28.8 is a PPI EZ-port, and would add \$75 to the asking price=20 below). 4 Meg Ram, expandable via proprietary card slot to 32 MB (I think). Quickport Trackball pointing device. With carrying case=20 (briefcase style), leather. Condition very good, problem with ext.=20 power supply/battery charger (OEM Charger and OEM new batt. available for abt. \$200 for both -- <http://www.toshiba.com>)

This unit has windows 3.1 installed, but to be honest, runs better=20 with DOS only. Would make a superb portable Packet/RTTY/Logging=20 computer. Also have ext. monitor, ext. keyboard, ext. mouse, and=20 Epson inkjet printer, so it can be used as a desktop unit as well=20 with *no* modification!

Asking prices:

Computer/Case/14.4 modem -- \$500

Computer/Case/28.8 modem -- \$575
External add-on kit for desktop use -- \$150

2. Heathkit IM-4100 Frequency Counter -- \$50
^^^^^^ (model number corrected from prior post)

Range =3D 5 Hz to 30 MHz

DC pwr works, AC does not, but should be easily fixed. Appears to need new 1N5393 diodes (abt. \$0.13 ea from Mouser), with assembly/operation manual.

3. Heathkit VTVM model IM-18 with RF probe -- \$75

=46unctional, with assembly/operation manual and ext. RF probe (both with manual).

Prefer to trade for QRP/QRO radio, multi-band. A Sierra would be=20 nice with some cash in the deal (cash to me, that is!). Ten-Tec=20 Scout or Argo for trade anyone?

Can ship all but ext. monitor/keyboard/mouse/printer package,=20 delivery can be arranged (within 16 hours RT of Memphis, Tennessee).

If trade, I'll ship mine, you ship yours, if shipping is necessary.

I'm open to other suggestions ... But I shoa' wud like a radio to=20 play with! <G>

72 es 73 de=20
Marty, KN4BH

Jackson, Tennessee e-mail: mdwatt@usit.net
<http://www.public.usit.net/mdwatt>
"The Curmudgeon's Corner"
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [11220] For trade: Hallicrafters HA-1  
Message-ID: <32FA524C.416F@rakefet.com>

I'm going to try again to trade my old Hallicrafters HA-1 "T0 Keyer". For those who don't know, it's a tube-type keyer from the middle '60's based on a design by Jim Ricks, W9T0. It was the first keyer that used

digital techniques to generate the dots and dashes (12AT7 flip-flops). It has a nice mercury-wetted relay, making it capable of cathode keying the boatanchors, if needed; and a loud sawtooth sidetone. It does not include a paddle. This keyer is in perfect working condition and looks like new.

I want to TRADE it for something interesting: I'm particularly interested in Vibroplex bugs, so if you have one that I don't have in excellent condition, I'll be happy to trade. Otherwise, if you want it I'd like to hear what else you may have to trade.

Please don't offer (ugh) money, because I already have several cash offers of around \$100, and I'd really prefer to trade it.

Thanks,

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Randy Foltz <rfoltz@wsunix.wsu.edu>  
Subject: [11168] FOX: Feb 5 Final  
Message-ID: <Pine.OSF.3.95.970206075358.11506E-100000@unicorn.it.wsu.edu>

Ok Chuck and the gang, here are the final results. Thanks again for the great time.

|      |               | HIS | MY  |       |       |                              |
|------|---------------|-----|-----|-------|-------|------------------------------|
| TIME | CALL          | RST | RST | STATE | NAME  | NR                           |
| 0300 | K5JHP         | 559 | 339 | TX    | BILL  | 825                          |
| 0302 | KK5RO         | 579 | 449 | OK    | VERN  | 325                          |
| 0304 | AB5UA         | 579 | 559 | OK    | CLIFF | 478                          |
| 0309 | KJ5SP         | 579 | 439 | OK    | MEL   | 8W                           |
| 0314 | AB5OU         | 349 | 359 | NM    | TIM   | 73                           |
| 0317 | W5FN          | 579 | 569 | TX    | TIM   | 586                          |
| 0332 | W5XE          | 579 | 559 | TX    | RAY   | 256                          |
| 0333 | NQ7X          | 569 | 449 | AZ    | FLOYD | 343                          |
| 0335 | K5ID          | 559 | 229 | AR    | KEN   | 652                          |
| 0339 | K2VCO         | 559 | 549 | CA    | VIC   | 725                          |
| 0342 | KU7Y          | 449 | 339 | NV    | RON   | 17                           |
| 0344 | NQ7K          | 449 | 449 | AZ    | MIKE  | 47                           |
| 0352 | N6XU          | 569 | 449 | CA    | STAN  | 66                           |
| 0401 | KI60Y         | 449 | 559 | CA    | LEE   | 837                          |
| 0407 | W5APX         | 569 | 449 | TN    | ART   | 1.2KW <=HE ASKED WHO IS FOX? |
| 0416 | K1MG          | 449 | 339 | CA    | MIKE  | 614                          |
| 0420 | KJ5VW         | 339 | 359 | TX    | GARY  | 227                          |
| 0428 | changed to 5w |     |     |       |       |                              |

|      |       |     |     |    |        |     |
|------|-------|-----|-----|----|--------|-----|
| 0430 | K5ZTY | 569 | 559 | TX | BILL   | 472 |
| 0431 | W6ZH  | 559 | 439 | CA | PETE   | 257 |
| 0442 | K06KA | 559 | 559 | CA | ROB    | 176 |
| 0449 | W6BAB | 339 | 559 | CA | HARVEY | 5W  |

72,

Randy

AB7TK ARCI QRP-L NORCAL NWQRP ARS  
Moscow, ID

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11141] FSFD (50 States) Update for Feb. 06  
Message-ID: <199702060546.AAA04440@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

Please read NOTE 1 at bottom of page.

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 18. Below is a the schedule of the remaining States. We will attempt to provide digested schedules of states/times/bands/freqs to help reduce message traffic to the reflector. Typically, only 1 message per day.

ALL TIMES UTC

|                  |        |               |           |         |        |
|------------------|--------|---------------|-----------|---------|--------|
| Feb. 06 Thursday | OREGON | N7CQR, Dan    | 1800-1900 | UTC     | 14.060 |
|                  |        |               | 1900-2000 | UTC     | 10.116 |
|                  |        |               | 2300-2400 | UTC     | 14.060 |
|                  |        |               | 0200-0400 | FRI-UTC | 7.042  |
|                  |        |               | 0500-0700 | FRI-UTC | 7.042  |
|                  |        | KB7RTA, Henry | 1630-1650 | UTC     | 7.037  |
|                  |        |               | 1700-1720 | UTC     | 14.057 |
|                  |        |               | 1930-1950 | UTC     | 21.059 |
|                  |        |               | 0300-0345 | FRI-UTC | 3.557  |

Other Activity: NE-QRP Club 79er Sprint 3.579MHz, 0200-0300 FRI-UTC

|                |              |           |           |         |        |
|----------------|--------------|-----------|-----------|---------|--------|
| Feb. 07 Friday | PENNSYLVANIA | KT3A, Cam | 1330-1500 | UTC     | 7.037+ |
|                |              |           | 1700-1800 | UTC     | 10.116 |
|                |              |           | 1800-1930 | UTC     | 14.060 |
|                |              |           | 0000-0100 | SAT-UTC | 10.116 |
|                |              |           | 0100-0300 | SAT-UTC | 7.037  |



0300-0330 SAT-UTC 3.560

Cam will call on Novice freq. 7.112 at top of hours. If no response after several calls, then back to above schedule.

Feb. 08 Saturday RHODE ISLAND KA9HA0, Randy 0000-0400 SUN-UTC 7.037-042

Other Activity: CQrp Challenge SAT 1700 UTC -> 1700 UTC Sunday

SOUTH CAROLINA Early shot N4UK, Ken 0000-0200 SUN-UTC 7.040

Feb. 09 Sunday SOUTH CAROLINA K4NK, Les 1100-1200 UTC 3.560  
1300-1500 UTC 7.040  
1700-1800 UTC 10.116  
1800-2000 UTC 14.060  
2100-2200 UTC 10.116  
2200-2300 UTC 14.060  
2300-2400 UTC 7.040  
0000-0100 MON-UTC 7.040  
0100-0300 MON-UTC 7.040

W2UX W2UX, Gary 1200-1300 UTC 3.560  
1300-1500 " 7.043  
Will do 14.060 if 15M is dead--> 1700-1800 21.040<>14.060  
1800-1900 UTC 10.115  
2100-2200 " 14.060  
2200-2300 " 7.043  
0000-0100 MON-UTC 10.115  
0100-0200 MON-UTC 7.043  
0200-0300 MON-UTC 3.560  
0300-0400 MON-UTC 7.043

WJ4P WJ4P, Randy TBA

N4UK N4UK, Ken 1200-1400 UTC 7.040  
2200-2400 UTC 7.040

Feb. 10 Monday SOUTH DAKOTA NR5A, Jerry TBA

Feb. 11 TUE. Special Guest Feb. 14 Fri. Vermont Feb. 17 Mon. Wash. DC  
Feb. 12 WED TEXAS(big sked) Feb. 15 Sat. WYO & VA Feb. 18 Tue. CANADA  
Feb. 13 Thur. UTAH Feb. 16 Sun. WA Feb. 22-23 FYBO

The FSFD Blow Out Weekend is in the planning stages to work with and in FYBO.  
More info to follow. Looking for North Dakota this weekend.

NOTE 1. Most sign-ups came with a note saying they would go longer if busy.  
Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.

If am major QRP frequency is listed, like 7.040, it means close by if possible. We will attempt to avoid being right on 7.040, 14.060, 10.116, etc.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc, we give those not on QRP-L an indication of what we're doing. FSFD type calling might be too cryptic for all but ourselves. However 'FS' is fine when busy. Exchange RST, State/Province/Country, and Name. Power level is nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:  
congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Remember, Jim K1MG starts up 50/40 activity next month. Watch for messages.

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: talljazz@teleport.com (Dan Presley)  
Subject: [11197] FSFD 30M  
Message-ID: <v0153052faf1fdac08480@[206.163.124.11]>

I have severe local QRN around 10.116, so pse listen around 10.110-4 guys on 20M so far -3 AZ's!  
Dan N7CQR

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: clifton w sikes <csikes@brightok.net>  
Subject: [11133] FSFD from Ok.  
Message-ID: <199702060520.XAA14299@sooner.brightok.net>

Hello Folks, I just finished my turn at FSFD, and had a ball! 40m was lots of fun, with 18 qso's. 80m was kind of slow, with 5 qso's for the hour. My starting frequency on 80 was busy, so had to move up some. I guess you all didn't need Ok., or I moved too far. Loads of fun any way. I may get up the nerve to try as a fox next year. Thanks to all who called, and sorry to the ones I couldn't pull out. Thanks, Jim, for a great idea!

For a qsl send to: Clifton Sikes

Rt. 1 Box 120

Earlsboro, Ok. 74840

I will answer all requests. Good night, and hope to see you all on the air.

Clifton Sikes

AB5UA  
Earlsboro,Ok.

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Howard Weinstein" <wa3mck@hotmail.com>  
Subject: [11202] Fwd: ARLB005 ARRL members asked to comment  
Message-ID: <199702061926.LAA28518@f25.hotmail.com>

Ladies and Gentlemen of QRP-L  
For your information and edification  
Tnx  
Hal K3HW

>SB QST @ ARL \$ARLB005  
>ARLB005 ARRL members asked to comment  
>  
>ZCZC AG05  
>QST de W1AW  
>ARRL Bulletin 5 ARLB005  
>From ARRL Headquarters  
>Newington CT January 31, 1997  
>To all radio amateurs  
>  
>SB QST ARL ARLB005  
>ARLB005 ARRL members asked to comment  
>  
>ARRL members are being invited to add their ideas, comments and  
>recommendations to those of the ARRL WRC-99 Planning Committee, which  
>has suggested sweeping--and potentially controversial--changes to the  
>Amateur Radio licensing structure in the US. On the table for open  
>discussion and debate are proposals that include:  
>  
> elimination of the Novice license  
> creation of a new Intermediate license to replace the Technician Plus  
> greater hf privileges for intermediate licensees than for the  
>existing technician plus, including phone on 160, 75 and 15 meters  
> a 10-wpm General CW test (with more stringent testing standards for  
>all CW exams)  
> expanded phone privileges for General-class and higher licensees  
>  
>Details of the plan, discussed during the recent ARRL Board of  
>Directors meeting in Albuquerque, New Mexico, will appear in March  
>QST. The Board says it seeks comments from members to ensure that  
>before any plan goes forward, it enjoys broad support from the

>amateur community. The Board will not act on the issue at least until  
>its July meeting.

>

>After its research revealed that as many as three Novices in four are  
>inactive, the committee concluded that the Novice license is no  
>longer useful. Although the committee would end the Novice license,  
>its plan provides current Novices with an easy means to upgrade (via  
>an open-book test) to the new Intermediate class license, which would  
>replace the current Technician Plus. All present Tech Plus licensees  
>would become Intermediate licensees. The Basic license would supplant  
>the Technician license--now the hobby's most-popular entry-level  
>ticket--with no changes in privileges. In addition, the committee's  
>plan would phase out the current Novice and Tech Plus bands on 80, 40  
>and 15 meters, and replace them with new Intermediate-class  
>allocations. The committee's consensus plan for Intermediate-class  
>licensees calls for new CW bands on 80, 40 and 15 meters starting 25  
>kHz up from the lower band edge, digital and phone-band privileges on  
>75 and 15 meters and a 50-kHz phone or CW segment at the top end of  
>160 meters, plus expanded Novice and Tech Plus CW and phone  
>allocations on 10 meters.

>

>According to the proposal, Intermediate CW bands would be 3525 to  
>3700 kHz, 7025 to 7050 kHz, 21025 to 21150 kHz and 28050 to 28300  
>kHz. Digital operation was suggested for 3600 to 3625, 21100 to 21125  
>and 28100 to 28189 kHz. Phone privileges would include 1950 to 2000,  
>3900 to 4000, 21350 to 21450, SSB from 28300 to 28500 and FM from  
>29500 to 29700 kHz. Transmitter power for Intermediate-class  
>licensees would be limited to 200 W PEP output (other licensees using  
>these bands would not be limited to 200 W, however).

>

>General-class and higher amateurs also would benefit from the plan,  
>if it's adopted according to the committee's outlines. General-class  
>hams would get additional phone privileges 3800 to 3850, 7200 to  
>7225, and 21250 to 21300 kHz; Advanced-class hams would add 3725 to  
>3775, 7125 to 7150 and 21175 to 21225 kHz; Extra-class hams would  
>also have 3700 to 3750, 7125 to 7150 and 21150 to 21200 kHz.

>

>With the exception of 40 meters, where Novice and Tech Plus licensees  
>already have privileges, the committee suggested no changes on the  
>hobby's narrowest and most crowded bands--including 20 meters and the  
>narrow WARC bands at 30, 17 and 12 meters.

>

>The Intermediate CW test would be 5 words per minute (the same as the  
>current Tech Plus requirement), but the committee proposed that the  
>General class CW requirement be set at 10 wpm. There still would be  
>no additional CW exam for the Advanced ticket, nor would there be any  
>change in the 20-wpm requirement for the Extra. Exams for all classes  
>would include a return to a sending test and the requirement for one

>minute of solid copy during a five-minute test--instead of the  
>current method that tests on the content of the CW text.  
>  
>Right now, these major changes are only in the talking stage. ''Let us  
>be very clear about this,'' said ARRL Executive Vice President David  
>Sumner, K1ZZ, who characterized the committee's proposals as a  
>starting point for discussion, not a done deal. ''The changes are not  
>ARRL policy; nothing has been proposed to, or by, the FCC, and the  
>ARRL Board is committed to making no decision before its July 1997  
>meeting.'' Sumner said there is no timetable to complete the process.  
>Only after there is an opportunity for in-depth consideration and  
>discussion by the membership will the ARRL Board consider taking the  
>next step--to approach the FCC with a rulemaking proposal--a process  
>that automatically invites additional comments and suggestions.  
>  
>Between the time they receive March QST and the end of May, members  
>are asked to voice their opinions on the committee's suggestions to  
>their directors, whose postal and e-mail addresses are listed on page  
>10 of QST. All suggestions and comments--positive and negative--are  
>welcome.  
>NNNN  
>/EX  
>  
>

-----  
Get Your \*Web-Based\* Free Email at <http://www.hotmail.com>  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Phil Sikes" <psikes@whidbey.net>  
Subject: [11191] FYBO  
Message-ID: <199702061820.KAA07104@islander.whidbey.net>

Just wanted to let you know that my brother Clif - AB5UA and I will  
be operating from the great state of Washington as KJ7NS. Washington  
is well known as the UFO sighting capital of the US of A. The spot I  
have picked out is just across the street from my house, but has had  
numerous UFFY0 sightings (unidentified flying five year olds)  
It's a nice school yard with many large trees for slinging antenna wire.  
This will be Clif's first trip to WA. so when you hear us on please give  
us a shout. You can even kill two birds with one QSO since I live on  
Whidbey Island you get the FYBO contact as well as IOTA NA-065!  
What a deal and offered only to those of you here on the QRP-L. We

plan on kicking some frozen B\_\_\_ and having a ton of fun.

See you in the contest..

72 - Phil

Phil Sikes - KJ7NS

ARCI #9196 - QRP-L #528

FISTS #2602 - NW QRP #412

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11198] FYBO Rules - Where? Here!  
Message-ID: <199702061907.MAA07821@usr10.primenet.com>

Bob (N4BP) wrote:

>

> Where do I find the rules for the FYBO?

The shortcut is ScQRPion Bob (KI7MN)'s webpage:

<<http://www.dancris.com/~ki7mn/fyborule.html>>

The not-so-very-shortcut is to email me for a copy  
of the rules. :-)

Hope to hear alot of folks on the air! Looks like  
the ScQRPion Frozen Chosen will end up on Mingus  
Mountain. Freezing our minguses off or something. :-)  
Nice 2000+' drop into the valley below though. And  
at 7000' ASL, once that sun goes down, we're talkin'  
temp mults. :-)

Our rigs will include a QRP+, an OHR-400 and an HW-8.  
Only one used per callsign of course. But we want to  
get as many sigs on the air as possible. Antennas will  
be three dipoles high in the pine trees, right on the  
edge of the ridge. We'll be on 15/20/40/80m, so listen  
up!

Team members so far: Mike NQ7K, Steve N7TX, and yours  
truly AB7TT.

Let's heat up that ionosphere! Wahoo!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [11178] FYBO: Winter Safety  
Message-ID: <199702061706.KAA03582@usr04.primenet.com>

Howdy All,

OK, it's nearly FYBO showtime! We ScQRPions are busy selecting final campsites, cutting antennas, seeing if Pizza Hut delivers to the cactus fields, etc. And those of us heading off farther into the wilderness are taking a few extra precautions. Which isn't a bad idea for all of us to consider.

Anyone who's heard recent stories of stranded travellers in North Dakota knows that winter travel requires some extra care. We want everyone to have fun, not suffer frostbite, hypothermia, etc. So lend us your eyeballs for the following safety tips.

-----  
FYBO Winter Safety Tips  
-----

KNOW YOUR LIMITS!

- Cardinal Rule of Surviving in the Cold: Stay Dry!  
Bring good wool and/or synthetic blend clothes. Cotton is often Enemy #1 in a cold, wet survival situation.
- Bring a few extra days' worth of food. Not 5-course meals necessarily, but enough to keep you going.
- Same for water and cooking fuel, if necessary. (Eating snow, BTW, is considered counterproductive in most winter survival situations.)
- Bring along a "space blanket" for emergency shelter/warmth/position marking. The ones with bright orange on one side are good for this. Pick a heavier one if possible.

- Tell friends/family exactly where you're going, how you plan to get there, and when you expect to be back.
- Establish a "No Bull" panic deadline. If they haven't heard from you by this time, they should call the authorities. Do NOT go to a pizza joint and forget to check in. Search and rescue teams are notoriously short-humored, but are rumored to grin when they hand you the bill for their efforts.
- Check in/out with any local ranger station.
- Have backup communications available (HT, cellphone, whatever's appropriate for the area).

-----

That's hardly an exhaustive list, but it's a sane starting point for keeping your B\_\_\_\_\_s out of trouble. :-)

Please feel free to add to it as you see fit!

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

FYBO Approaches!!!

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
 From: pelt@vt.edu (Randy Pelt)  
 Subject: [11148] HANDS XCVR INTEREST  
 Message-ID: <v01540b02af1f42439ebb@[198.82.152.40]>

>Hi Gang.

>

>Just wondering if anyone out there has assembled, used, studied, or  
 >otherwise examined the Hands transceiver from Kanga. I had the  
 >misfortune of seeing one last weekend. I say misfortune because now that  
 >I have seen one, I WANT ONE!!

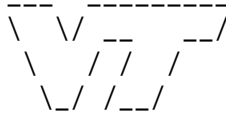
I have built the TCX 210 modules and am now building the synthsize board from Aero (Tim Ahrens). Support from Bill Kelsey and Sheldon Hands has been beyond the call of duty. (I ask a lot of questions, Hi!) The modules are very easy to build. Will let you know the results.



72/3

Ranson J. Pelt  
pelt@vt.edu  
QST de w4wyt  
ex-nz4i

Semper Fi



From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: W0rw@kktv.com  
Subject: [11131] Hawaii on 7040  
Message-ID: <199702060443.XAA58272@nss2.CC.Lehigh.EDU>

i just ran across KH6DFW on 7040 at 0400Z. i am sure he will be back,  
Very good signal into Colorado...de w0rw

to: INT:qrp-1@lehigh.edu  
cc: INT:deutschra@aol.com  
kg5n

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Bruce Rattray <rattray@siast.sk.ca>  
Subject: [11212] Heathkit  
Message-ID: <6533271306021997/A00113/RIEL/11B2335B2000\*@MHS>

Elliot, WA6TLA, was wondering about Heathkit parts...if one sends an e-mail to  
the automatic server at the ARRL I believe you can get the information...how's  
my memory?...

info@arrl.org

...and then you type in the body of the e-mail the following....

send  
heathpts.txt  
quit

....I think this will do it....I'll try it myself later.....73 Bruce (VE5RC)  
QRP-L#886

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Elliott Lawrence <edl@pacbell.net>  
Subject: [11185] Heathkit Parts  
Message-ID: <32FA15DC.5EDD@pacbell.net>

Hi Guys:

I am still trying to repair my ancient Heathkit scope and looking for some uniquely specified Heathkit parts that don't seem to have any alternates available. Somewhere I believe I heard or read that the existing inventory of parts was bought from Heathkit at the time they closed and is being made available. Does anyone know if this is true and how to contact that person/company? Any other source for these parts?

TIA

vy 72/73  
Elliott WA6TLA  
NorCal #1402, QRP-L # 920, QRP QRCI #9334

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Len W. Tough" <len@infinet.com>  
Subject: [11128] HELP: HANDS XCVR INTEREST - info requested  
Message-ID: <199702060336.WAA02500@mail1.infinet.com>

Hi Gang.

Just wondering if anyone out there has assembled, used, studied, or otherwise examined the Hands transceiver from Kanga. I had the misfortune of seeing one last weekend. I say misfortune because now that I have seen one, I WANT ONE!!

This seems like a very FB rig - selective, rugged, and well designed. I think it would be a challenging kit, and a nice follow-up project for me coming off the 38 Special build. As a recovering \*Kit-A-Holic\*, this one would probably satisfy me for a while.

If anyone has any experience with this kit and/or rig, please RSVP. Let me know what the group experience (if any) has been.

Thanks in advance

Best 72/3

Len

KG8SF

len@infinet.com

kg8sf@key.com

-----  
QRP-L # 841

CQrp # 2

ARCI # 9025

FISTS # 2134

CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp

Web Page: <http://www.infinet.com/~len>  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: "William C. Robbins" <billrobb@net-link.net>

Subject: [11102] HM-9 Parts

Message-ID: <199702060001.TAA32160@serv01.net-link.net>

I am trying to restore a broken Heathkit HM-9 QRP wattmeter. Does anyone have a parts rig...particularly the meter??? PLEASE!

Bill

WA8CDU Heathkit Collector

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: svecbrdk@well.com (L.Svec,W.Burdick)

Subject: [11180] KC1 keyer/counter will count up to 50 (fifty!) MHz...

Message-ID: <199702061716.JAA04713@mail.well.com>

...and should work in the 38-special with no mixer or prescaler.

However, you may need a simple JFET source follower to get enough signal to drive the KC1's RF amp, which is intended for lower-frequency VFOs in the 2 to 10MHz range. Also, I'd suggest connecting the KC1 to pin 7 of the NE602 rather than pin 6, and use 22 to 47pF. Again, a JFET buffer is the best bet.

The KC1's clock speed is 4MHz, allowing the full PIC count speed of 50MHz.

The KC2 has to run at 100kHz, limiting VFO count frequency to 6.4MHz, because it has to run all the time to keep the LCD updated. At 100kHz the KC2 generates almost zero receiver noise, but you do have to write some tricky firmware since the instruction cycle time is 40 microseconds!

73,  
Wayne  
N6KR

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [11106] Loop Antenna  
Message-ID: <199702060021.TAA66750@nss2.CC.Lehigh.EDU>

If anyone has not noticed, there is a nice little (lead off) article in the Feb 1997 issue of CQ about building a loop antenna. Got me thinking about using one for this years Field Day.

/joel wa1qvm

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: ji3m@maxwell.com (James R. Duffey)  
Subject: [11166] Loop Antenna Circumference  
Message-ID: <v02130501af1f46ec2924@[192.31.66.229]>

Dan - Jim here, in your post on QRP-L about using loops in reply to someones question about antenna suggestions you wrote;

"The ARRL books give  $1005/f(\text{MHz})$  as the formula for a full-wave loop (gives length in feet). They are actually talking about quads, but it's the same thing."

I and others who have built loops find that the classical 1005/MHz (in feet) results in a loop that is too small, that is it is resonant at too high a frequency. 1033/MHz is a better starting point for loop circumference although several who have modeled loops have reported values from 1020/MHz to 1045/MHz for the circumference. I originally thought that my problems with consistently high resonant frequencies were due to my use of insulated wire or my poor ground, but NEC models show this effect clearly and others have noted it as well.

This was discussed in the NEC list in December 1996 by Belrose, VE2CV and Lewallen, W7EL among others. The postings are available if anyone is interested, or you can search their archives for them. Belrose said that he had been trying to get the ARRL to revise its literature which quotes this figure since the late 70s but had made no inroads in correcting this classical mistake.

I would bet L. B. has seen this effect. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [11149] Miniscule N/T FOX Report  
Message-ID: <v03007800af1f88cf465e@[129.74.87.62]>

\*\*\* N/T Fox Report for Wednesday, February 5, 1997 \*\*\*

| TIME | STN | NAME | ST | RST | NR |
|------|-----|------|----|-----|----|
|------|-----|------|----|-----|----|

|      |       |      |    |     |     |
|------|-------|------|----|-----|-----|
| 0033 | K9HBY | John | KS | 559 | 75W |
|------|-------|------|----|-----|-----|

|      |      |     |    |     |     |
|------|------|-----|----|-----|-----|
| 0115 | W5XE | Ray | TX | 339 | 256 |
|------|------|-----|----|-----|-----|

Talk about the "short list" -- It was mighty quit out there!

Barry Keating  
WD4MSM  
South Bend, Indiana (90 miles east of Chicago)  
MFJ 9040 running 5 watts  
Radio Shack DSP  
G5RV antenna (half-size, 52') up 30 feet

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: jerryh@webzone.net (Jerry Henshaw)  
Subject: [11205] Missing Dits on TiCK Keyer???  
Message-ID: <01BC1437.1207F740@pm2.ppp52.webzone.net>

Hi Gang,

I notice my TiCK keyer in my 38S will miss send a dit in iambic A mode every once in a while. The most noticable is when I send the letter "Y". I tested the keyer by holding the dash paddle and tapping the dit paddle ---- if I hit the dit paddle right at the beginning of sending a dash, the dit will not be remembered upon completion of the dash and another dash follows. In the iambic B mode, I don't have this problem. I can't send worth a dime in Iambic B mode (some could argue I can't send worth a dime in any mode).

Is anyone else having this problem? BTW the speed is about 20 WPM and all the leads to the key jack are shielded.

I removed the TiCK chip and reseated it in its socket just to make sure..... still misses a dit every once in a while... happens almost every time I send my name Jerry --- usually comes out Jerr0. I've been using it in straight key mode keying the dit side of the keyer..... I also notice that it will miss a dit once in a while in straight key mode. I checked the panel jack and all seems okay.

Any help will be appreciated.

73's

Jerry Henshaw  
KR5L / QRP  
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999  
49er, ARK 20, Wilderness Sierra, 38 Special

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "William R. Colbert" <V31XE@dzn.com>  
Subject: [11119] n/t fox  
Message-ID: <32F953A9.7BFA@dzn.com>

Hey Gang, for those that are fox hunters: Barry is still calling on/about 7110 with a good signal (Now up to about 5/5) into Far West Texas. Give him a try.

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>  
Subject: [11221] N38S emits RF at N7RI  
Message-ID: <Pine.A32.3.93.970206165921.10231A-100000@weyl.math.Virginia.EDU>

Thanks to Ori, Doug and Jim for another great project!

Had lots of fun getting this one going. I had my own T1/TC1 problems -- resulting from installing the transformer the wrong way :-)  
Once receive was working, I blundered into the alignment process!  
I had a very eerie experience with TX alignment. Where the signal sounded cleanest to me in the rice box, I got a hefty 5W output reading on the power meter, and a nice match with the antenna tuner. But I couldn't contact ANYONE! Finally asked a local ham (W2HD) to listen to me. He could scarcely hear me. So I twiddled the TX adjust and lo, I was heard! Doug is right, I should get a scope!

Still seems eerie that the power meter would show a full 5w out -- and a pleasant SWR -- with nothing dribble out on the desired frequency. Was I transmitting "spread spectrum"?

Thanks also to Paul for suggesting, in the "Hints" section of the latest QRPP, using a Bic pen shaft for a coil form. The one I wound on a straw gave me a horrible chirp on 10.106! This Bic coil (cemented down with my daughter's Hawaiian Blue nail polish) is MUCH better, though I think I'll try Ori's idea of adding diodes in parallel with D3.

What a blast!

72, Ralph N7RI

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [11120] NC38S: Tinkering around  
Message-ID: <32F93A6D.3DAA@dancris.com>

I was messing around the with 38 special, trying to pull the VX0 down a bit. Replaced the 4.7uH choke (L1) with one of 6.8uH, but it pulled it down 10 10.091 MHz. Not good. Bought some 5.6uH chokes, and will try that.

Meanwhile, while trying to center the 38X signal in my other receiver, I figured there had to be a way to use a freq counter on the board. Here is what I came up with as far as measurement points and actual frequency counter readings, and correct me if I'm off-base here:

(YOU MUST SUBTRACT THE 12 MHz IF FREQ FROM YOUR MEASUREMENTS)

| Component       | Low End | of VX0 | High End |
|-----------------|---------|--------|----------|
| R5 (Left side)  | 22.091  |        | 22.129   |
| U1 Pin 8        | 22.091  |        | 22.129   |
| C42 (left side) | 22.091  |        | 22.129   |
| R6 (left side   | 22.091  |        | 22.130   |

Seems to be a little more precise than trying to pick it up on another receiver. I'm hoping going to 5.6uH for L1 will put the low end at around 10.106.

What a neat rig for learning stuff. Hope I'm on the right track.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
Subject: [11230] NC38s:caution when adding TiCK keyer  
Message-ID: <1997Feb06.181926-0500@[130.113.234.7]>

Everybody follow the excellent 38s instruction manual,,,right?



I confess, didn't follow the instructions for adding the TiCK keyer. Just add the components, and plug 'er in.

And hey, it works fine!

What I missed was cutting the nefarious "Cut #2" PC board trace cut.

Although the TiCK keyer seems to work OK, there are problems:

Sometimes power supply current drain goes up over 50 ma instead of 30ma. And the sidetone sounds just a little odd. And if you look at the TiCK's power supply pin, its pulsing up to 8 volts every time the sidetone comes on (its supposed to be no more than 5v).

Moral? Make sure that trace is properly cut on the bottom of the board, even if your TiCK is working just fine.

Its a very fine little chip, and I can't resist:

It takes an 8 volt licking, and keeps on ticking.

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: n5zgt@swcp.com (Brian Mileschosky)

Subject: [11121] NorCal & 38S - FIRST CLASS

Message-ID: <199702060203.TAA08794@kitsune.swcp.com>

...So I get home from school (Actually track practice) and am greeted with my mail - a college application, a golf catalog, and a nice large yellow envelope.

It's here! I have received my first 38 Special! It just so happens that I have a 3 day weekend this weekend! So I will be building it Monday (Sat and Sun I have two Winter Ball dances....gonna be busy enough there). I hope to get my new toy on the air very soon!

Oh...did anybody notice the "First Class" written on their 38 Special envelope in big red marker? Why does NorCal have to keep reminding us???? We already know they are FIRST CLASS!! Geez...

Thanks NorCal! Expect an article in the next issue of QRPp soon!

72,

Brian, N5ZGT

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Boy Scouts of America  
Eagle Scout (12-6-96)  
JASM - Troop 41  
Albuquerque, N.M.

Amateur Radio - N5ZGT  
ARRL QRP: NorCal# 1700 QRP-L# 580  
Author of Worldradio's "Youth Forum" Column  
Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM

O.A. Lodge 66 <-W-W-W-<<

Internet: n5zgt@swcp.com

---

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)  
Subject: [11195] Ocean Statee Electronics and QRP-L web page  
Message-ID: <199702061853.KAA21043@netcom19.netcom.com>

Am I correct in thinking Ocean State has closed up?

And, when trying to get to the QRP-L web page from either the NorCal page or the CQC page, I get an error roughly "bad formed welcome.html" Is it broken or am I doing something wrong? I'm using Lynx, a text-only browser.  
73, doug

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: William Hansgen <102762.1311@CompuServe.COM>  
Subject: [11132] Ohio FSFD Report  
Message-ID: <970206045831\_102762.1311\_GHU70-1@CompuServe.COM>

Hi folks,

Thanks to all who found my tiny signal and gave me a call.

Equipment used:

40m and 20m - Ten Tec Scout (5w)  
Loop in attic

30m - OHR Explorer II (3w)  
Same loop

Stations worked:

40m - KD0CA, K5ID, W9DU, K9SK, W5HNS, WD5CSK, KC5JF0, WD8RIF

30M - K5ID, W9KI, W5E0E, K4JUZ

20M - W4BC

Mike Hansgen  
17 Braun Street  
Glouster, OH 45732

72

Mike

W. Mike Hansgen AA8EB  
Glouster, OH 39.498N 82.088W  
102762.1311@compuserve.com  
Cqrp #4 ARCI #9156 QRP-L #563

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Thomas J. Whalen" <whalen@swcp.com>  
Subject: [11204] ON 10.116  
Message-ID: <Pine.SUN.3.91.970206124729.18872A-1000000@kitsune.swcp.com>

I will be listening on 10.116 while I work on my 49er. Anyone need NM on 30m? Would love to work a 38S! Will be using a IC-706 at 5w a Butternut vertical on the roof. CU, 72, Tom WB5QYT ....I will be on till 1330mst

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: mvjfm@mvubr.mv.lucent.com (James M Fitton +1 508 960 2577)  
Subject: [11196] QRP AField  
Message-ID: <199702061857.NAA09562@alig1.firewall.lucent.com>

FYI

QRP Afield 1997 will be on the third Saturday in September.

September 20, 1997.

W1FMR

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Frank Emens" <femens@iquest.com>  
Subject: [11104] qrp rtty/Pactor  
Message-ID: <199702060006.SAA17158@vespucci.iquest.com>

Seems as if I've heard someone on the list mention this in the last few months. I've got this idea about using a qrp rig for digital modes and am wondering if anybody has ever converted one of the common qrp transceivers for fsk use? I'm sure it can be done and probably fairly easily depending on how the vfo is implemented, but I'd like to see what results someone else has had before I get in too deep.

73,  
Things are more like they are now than they have ever been before  
Frank Emens femens@iquest.com

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [11207] QRP Walt Disney World!!!  
Message-ID: <Pine.3.89.9702061450.C16846-0100000@w3eax.umd.edu>

I'll be staying at the Disney Village in Lake Buena Vista/Kissimmee from 17-21 February, I think.

Any activity? Locals? Dinner? I've been down that way before JUUUUST a few times in my 28 years but never as a hardcore QRPer.

I'll have a rig or two, along with a balcony-mount B&W AP-10 54" base-loaded whip, and maybe an Outbacker that I'll mount somewhere. I will try to get myself placed on one of the higher floors.

Would love to eyeball for dinner sometime, somewhere.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [11181] QRP-L INFO & JOIN QRP.97  
Message-ID: <Pine.BSI.3.93.970206121502.11811A-1000000@u1.abs.net>

## INTERNET QRP FORUM

To subscribe to the QRP discussion group mail reflector (QRP-L),

send e-mail to: [listserv@lehigh.edu](mailto:listserv@lehigh.edu)

and in the text say: SUBSCRIBE QRP-L [your name] [your call]

For example, SUBSCRIBE QRP-L Danny Gingell K3TKS

That's your name, not your e-mail address, which it gets from the incoming header. If all went well, you will shortly receive a welcoming message with info on the forum, along with 20 to 40 e-mail messages a day. (More like 75-100 Now). A digest form is available, which bundles an entire days traffic into a single very long e-mail message. (100-150 kb)

The system will also assign you a QRP-L Membership Number, which is free and permanent. It is more or less a Club Membership number and is to be used for some operating events.

When you wish to POST a message to the list, you simply address the e-mail to [<qrp-l@lehigh.edu>](mailto:qrp-l@lehigh.edu) .

I may be reached at Maryland Milliwatt QRP Reference Library, (301)572-6789 or e-mail at [<K3TKS@abs.net>](mailto:K3TKS@abs.net)

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Join some QRP Clubs and expand your knowledge and enjoyment of our special segment of the hobby of Amateur Radio.

Here is the information on a few of my favorites.

The QRP Amateur Radio Club, International (QRP ARCI)  
New Members, \$17 Renewals \$15 (If you were ever a member, it is a RENEWAL).  
Membership is for life, Subscription to The Quarterly Journal is annual.  
Send Check or Money Order in U.S. Funds. Make checks payable to: "QRP-ARCI"  
Send to Mike Bryce, WB8VGE  
QRP ARCI Membership  
P.O. Box 508  
Massillon, OH 44648-0508

The Northern California QRP Club (NorCal)  
There is no charge to join NorCal and receive a membership Number.  
The Subscription fee for QRPp, The Journal of NorCal is \$10.00 U.S.  
annually. Send your Check to "JIM CATES" (NOT NORCAL) at 3241 Eastwood Road  
Sacramento, CA 95821.

If you want more info, contact Doug Hendricks, KI6DS

862 Frank Avenue Dos Palos, CA 93620  
Tel.(209)392-3522 e-mail <KI6DS@telis.org>

The New England QRP Radio Club (NE-QRP)  
Membership is \$10 and renewal is per year.  
Check payable to "QRP Club of New England"  
Mail your new member application to Mr. William McNally-AE1D

New Membership Chairman 7 Blueberry Road, Windham, NH 03087  
Tel.(603)434-9695 <mvwkm@mvkse.lucent.com>

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Douglas L. Datwyler" <datwyler@mail.aros.net>  
Subject: [11232] QRPP  
Message-ID: <32FA6CDD.3437@mail.aros.net>

>>>>

Hi Gang,

Am I the only one who hasn't received their December QRPP  
yet??

Just wondering.

73's

Jerry Henshaw  
KR5L / QRP  
jerryh@webzone.net

<<<<< extracted from digest

NO! And I don't know why it is taking so long, either.

Doug datwyler@aros.net WR70 Sandy, UT DN40

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [11170] QRPP First Class Mail  
Message-ID: <1.5.4.16.19970206091852.0a478b36@telis.org>

Ok guys, I give up. The printer mailed the Winter issue (December) of QRPP the last week of December/first week of January. The California issues were in the first batch, and many, many still have not received their copies now 6 weeks later. That is ridiculous service. I have received over 200 email messages wondering where QRPP is, I have not received it, am I on the list, I demand that you send me another copy, ..... and so on. I would love to send you another copy, but there are not any extra, none. We cut off the print run to 50 over the current subscription, and then between the time of printing, if we get subscriptions or renewals we add them in and that takes up the extra copies. Guys, think about the time involved to answer each of those messages. I have to check the data base, then compose an answer and it is taking away from time that I could use doing more productive things.

Then I called the printer yesterday. He informed me that his costs were going up and he has no choice but to pass it on. Such is life. I called the Post Office and talked to a guy that seemed to know what he was talking about. He listened to my complaint, but basically said that was the way it is, was and will be with bulk mail. Next I called Jim, and we discussed the problem. We have a first class journal, we do first class kits, but we are giving lousy service with bulk mail. That is a fact. So, we have decided to make a huge change with QRPP. We are going to go to first class mail. Now there are some problems with that. We have a substantial subscription base that was priced on bulk mail delivery, which is much cheaper than first class. To make this change means that we are going to need some help from the members to cover our costs. Otherwise, Jim and I will cover it. Here is what we need you to do. Look on your mailing label, and we are asking you to send us the following amount to help cover the costs that will be incurred by the change to first class mail, which will start with the Spring issue.

| If your Expiration Date Is | Please Send |
|----------------------------|-------------|
| Mar. 97                    | \$1         |
| June 97                    | \$2         |
| Sept. 97                   | \$3         |
| Dec. 97                    | \$4         |
| Mar. 98                    | \$5         |
| June 98                    | \$6         |
| Sept. 98                   | \$7         |
| Dec. 98                    | \$8         |
| Mar. 99                    | \$9         |

We are doing this on the honor system. We will not deny anyone their issues

of QRPP if they do not pay the extra, we made a commitment and we will do what we said, but we do need help. If you can pay, please do so. This applies only to US members, as Canadian and DX members are already receiving their issues via first class or air mail.

New Subscriptions and Renewals are now \$15 US and Canada, \$20 DX. Both Jim and I feel that the change from bulk mail to first class will result in much, much better service, while we do realize that we will still have problems, they should be on a much smaller scale. These rates are effective immediately. The first class service will begin with the Spring issue. Thank you for your patience and understanding. We have tried to hold the costs as low as possible for as long as we could, but we just cannot continue with the problems that we now have with delivery of QRPP.

72, Doug Hendricks, KI6DS

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Rick Sealey <rsealey@InfoAve.Net>  
Subject: [11203] Silent Key  
Message-ID: <1.5.4.32.19970206193245.00667bbc@mail.infoave.net>

I just read in THE LOWDOWN (publication of the Longwave Club of America) that Ken Cornell, W2IMB, author of "The Low and Medium Frequency Scrap Book" and others, has passed away. All of us who have had involvement with the LF and VLF portions of the radio spectrum know what a great experimenter and contributor he was. He will be missed.

Rick - KI4PZ

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Richard E. Fisher" <ki6sn@pe.net>  
Subject: [11137] Soapbox comments: February ARS Spartan Sprint  
Message-ID: <01BC13B0.BEEE6E80@ki6sn>

Following are Soapbox comments from participants in the Adventure Radio Society's February Spartan Sprint held Monday night. Several operators used ARS' new automated contest reporting form found on the Society's website: <http://natworld.com/ars>

The automated report forms are carried here in full to show readers what that form looks like.



Vy 72,

Richard Fisher, KI6SN  
ARS No. 3

-----  
FEBRUARY 1997 SPARTAN SPRINT SOAPBOX

The following Spartan Sprint result information was submitted by the web site's automated form:

```
firstname: Dean
lastname: Marzocca
email: n2tnn@ifu.net
callsign: N2TNN
date: 02/03/97
weight: 18
80m_qs:=20
40m_qs: 3
20m_qs:=20
15M_qs:=20
10M_qs:=20
soapbox: QRM was very bad. Did get Jess N0TFI in CO but it wasn't
easy. Better luck next month
member: Yes
```

-----  
I participated in the Spartan Sprint contest tonight with my NorCal 40A. =

Thanks!

Total QSO's =3D 3    Weight of Station =3D 4 lbs, 3 oz.

The following is my log:

(Times are in UTC)

```
0217 N0IT            559, 549    M0   4 watts
0301 WB0QQT    549, 549    NE   2 watts
0322 KB8MCZ    549, 339    WI   ??
```

Thanks a lot and 73,  
Lorraine, AC6XK

-----  
The following Spartan Sprint result information was submitted by the web site's automated form:

```
firstname: Jack
lastname: Dougherty
email: jkdougher@wt.net
```

callsign: WA8GHZ

date: 02/03/97

weight: 7.9

80m\_qs: 0

40m\_qs: 9

20m\_qs: 0

15M\_qs: 0

10M\_qs: 0

soapbox: Still have that ##%@%)!<#! heavy battery from the last sprint because my planned super-stealth lightweight power supply erupted tonight with more AC out than DC out - major buzz saw action so ran with the battery as "Plan B"!=20

TU to all, and especially those who dug me out to complete the Q..  
Setup here was Emtech NW40 and Whiterook mini-keyer putting 5W into a = Vee (and a 7AH battery, but that's another story.....)

My log has K10J, VE3JC, K4WZ, WD9CTB, K6JI, W1HUE, K5ZTY, W2UX,WA9PJP

And to W1HUE: man, you were booming into Houston all night - nice sig!

Jack / WA8GHZ /5 /Houston /ARS#208 /7.0 AH non-ARS Battery :)

-----  
Adventure Radio Society Spartan Sprint  
3 February 1997

William McFadden WD8RIF  
12600 Adeline Circle  
Athens OH 45701  
wmcfadde@ace.cs.ohiou.edu

Adventure Radio Society Number 58

Equipment:

Index Labs QRP+  
AEA AT-3000 tuner  
135' ladderline-fed dipole at 30'  
CMOS Super Keyer II  
Whiterook MK-44 iambic paddle  
2.5 Ah gel cell battery  
external speaker

All QSOs 4 Feb GMT

| Call | Freq | Time(UTC) | RST S | RST R | SPC | Exchange |
|------|------|-----------|-------|-------|-----|----------|
|------|------|-----------|-------|-------|-----|----------|

-----

|        |      |      |     |         |     |    |
|--------|------|------|-----|---------|-----|----|
| K10J   | 3561 | 0222 | 559 | 559     | TX  | 5W |
| KK7BB  | 3557 | 0225 | 539 | 339     | AZ  | 5W |
| W1HUE  | 3557 | 0233 | 579 | 339     | ID  | 5W |
| N2ABP  | 3563 | 0244 | 339 | 339     | NJ  | 1W |
| N0IT   | 3563 | 0248 | 579 | 589     | MO  | 4W |
| N0BS   | 3563 | 0251 | 579 | 449     | MN  | 3W |
| WB9LCK | 3563 | 0255 | 589 | 559     | WI  | 5W |
| WA1QVM | 3563 | 0301 | 449 | 449     | MA  | 5W |
| W3TS   | 3561 | 0305 | 589 | 579     | PA  | 1W |
| VE3JC  | 3560 | 0310 | 599 | 589     | ONT | 5W |
| K3QIO  | 3560 | 0314 | 589 | 459-579 | DE  | 5W |
| AA8EB  | 7041 | 0330 | 579 | 569     | OH  | 5W |
| KC1FB  | 7041 | 0333 | 589 | 55N     | CT  | 1W |
| K10J   | 7039 | 0341 | 589 | 55N     | TX  | 5W |

Score : 80m QSO 11x2 =3D 22 points  
 40m QSO 3 points  
 -----  
 25 points

Station weight : 9 lb

Soapbox comments: 80m was noisy but seemed to have more stations than =  
 40m did. I used my QRP+ for the first time in a Spartan Sprint, and =  
 either the  
 bands were much harder than last month or the receiver in the QRP+ isn't  
 nearly as good as that in my IC-735. However, as during the last two=20  
 months' Spartan Sprints, I enjoyed myself.

Howdy from Texas!

Well the local storms made 80m pretty noisy but there were some=20  
 stations I could hear over the qrn. 40m seemed to die earlier than I had =

hoped. Thank you for the fun and the contacts.

CU---0J---K10J

Houston, Tx.

QRP-L #732

results:

32 QSOs- 18 on 40m- 14 on 80m

Total=3D 46 points

Weight=3D 22lbs

From: Daniel R Tayloe[SMTP:tayloe\_d@juno.com]

Sent: Monday, February 03, 1997 9:55 PM

Subject: Sprint Results

It was interesting. This was my first time trying to run battery powered. I built a special 80m xcvr specifically for the Sprint = contest.

Station weight: about 5 lbs.

I can vary its power in three steps: 5w, 2w and 0.5w. I made up a battery pack of 10 AA batteries intending to run 5w off of that.

Wrong.

I watched my voltage as I started keying, and was alarmed by the voltage drops I was seeing. I quickly reduced to 2w. Shortly after that I reduced to 0.5w

.....Shortly after that, I threw in the towel and hooked up the 4AH =  
gell  
cell!

I worked mainly 80m. 40m seemed to turn noisy kind of like it was =  
above  
the MUF.

Log:

80m: W3TS, WD8RIF, KI6SN, N0BIG, N0IT, W1HUE, KV7X, KB6FPW, NJ7M, NQ7K

40m: AE4JA, WD9CTB

Best Miles per Watt: W3TS running 1w (I was running 2w then) Az to Pa!

Biggest Signal: NJ7M, 4w out of Idaho

N0BIG: I think need your address for a QSL card!

- Dan Tayloe, KK7BD, Phoenix, Az; QRPl #696; Az ScQRPions

-----  
From: damichael@amp.com (Dana Michael)

I was active in the Spartan Sprint on Monday Night.=20

I worked 11 stations on 80M and 3 on 40M, for a score of 25.

I was using the same gear as last time:

80-40 at 8oz

40-40 at 8oz

keyer & earbuds at 1.5oz

10xAAA ni-cads at 3.5oz

for a total station weight of 21 oz.

TNX es 72 es 73  
Mike Michael W3TS

-----  
The following Spartan Sprint result information was submitted by the web site's automated form:

firstname: Larry  
lastname: East  
email: w1hue@amsat.org  
callsign: W1HUE  
date: 2/3/97  
weight: 12.5lb  
80m\_qs: 11  
40m\_qs: 6  
20m\_qs:=20  
15M\_qs:=20  
10M\_qs:=20  
soapbox: 40 was slow and 80 was noisy!  
member: No

-----  
The following Spartan Sprint result information was submitted by the web site's automated form:

firstname: Pete  
lastname: Hoover  
email: w6zh@ix.netcom.com  
callsign: W6ZH  
date: 03/02/97  
weight: 3.8  
80m\_qs: 4  
40m\_qs: 10  
20m\_qs:=20  
15M\_qs:=20  
10M\_qs:=20  
soapbox: Feeding time at this Zoo cut down on time available to operate the Sprint. Station is NorCal Sierra with built-in Curtis keyer, Yuasa 2 amp/hr battery, "Walkman"-type earphones, and a Galbraith (New Zealand) key paddle.=20  
member: Yes

-----  
The following Spartan Sprint result information was submitted by the web site's automated form:

firstname: Jim  
lastname: Francoeur  
email: jim\_kc1fb@pipeline.com  
callsign: KC1FB  
date: 02/04/97  
weight: <50  
80m\_qs: 2  
40m\_qs: 1  
20m\_qs:=20  
15M\_qs:=20  
10M\_qs:=20

soapbox: First time for the Spartan Sprints....didn't get a chance to finish my 80-9er, so used my QRP+ , 24A-h battery and a heavy = based straight key....hardly the spirit for a winning entry!

I think the 80-9er is going to be trouble with the QRM on 80.....might have to build an 88Special.

72/73

Jim KC1FB  
member: No

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11159] SOLD: SX-43 w/spkr and Viking w/B&W adaptr  
Message-ID: <199702061427.JAA29208@alaska.magpage.com>

Thanks to all who responded. The above items are sold and local pick-up.

Jim K3QIO

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: dolledb@cet.com  
Subject: [11127] Spokane Area QRPers  
Message-ID: <199702060313.TAA22829@cet.cet.com>

Dear Fellow Masochists,

My perusal of QRP-L posts indicates to me that there may be a good number of QRP enthusiasts in the Spokane, WA area. Would any of you be interested in a casual (very), loose-knit (very), organization with the purpose to show-off our projects, share information, and swap lies? I'm thinking of infrequent get-togethers at local watering holes or pancake mongers. Maybe we could get Nils' badgers to speak at the first meeting. Please send e-mail direct to me if you're interested and I'll try to gauge if this effort is worth the trouble.

Dennis, NX5W

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Al Hunter <ahunter@inland.net>  
Subject: [11200] T1/TC1  
Message-ID: <3.0.1.32.19970206111824.00695060@inland.net>

Thanks to Glen, Jim, Tony, Ori, et al for the info. Yes Glen, I have the black and orange trim caps. The little depression on the orange (knob) did help to give some indication of the position of the capacitor plates. What I ended up doing was replacing the trim cap with one I had in the junk box which has a transparent top and I could see the plates. This showed me that I needed to remove a turn from T1. Then another idea....I didn't like the idea of having to unsolder and remove T1. So I scraped the insulation from two adjacent windings near the top and soldered a little jumper made from wire wrap. Now, TC1 has the proper peaks. What a great little radio. I will probably do the same fix at L2. Thanks again and 72/73.

Al Hunter - AA6SO

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Brian Short <ke7gh@primenet.com>  
Subject: [11182] Tektronix 465/B, 466  
Message-ID: <01BC1452.83D55000@ip132.phx.primenet.com>

The Tektronix 465/B, 466 dimensions are 6"h x 12"w x 20"d. It is easily carried by a handle that can be moved into various locked positions. It has a carry pouch on top for storing probes and the manual. Weight is not a big factor as it is easily carried.

Again it 100Mhz, dual trace, delayed sweep and the 466 model in addition is a "storage scope." They sell around \$300-400 and can be found listed by dealers in Nuts & Volts magazine.

You may check if probes are included in your purchase.

73, Brian <http://www.primenet.com/~ke7gh>

-----  
From: John Dundas[SMTP:jadlaw@soca.com]  
Sent: Wednesday, February 05, 1997 12:41 AM  
Subject: O-scopes

Brian--

You had an interesting post the other day on QRP-L about 465 scopes. It sounds like something I would be interested in, but knowing nothing about the different Tek models, could you give me approximate dimensions and weight?

Tnx es 72/3

John

W6SU

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [11226] Test equipment  
Message-ID: <32ff5d13.81095653@pop.usit.net>

=46orgive if this question is an "oft-heard, oft-answered":

What test equipment should be considered normal for the beginning builder?

I have a digital multimeter (Amps/Ohms/Volts), but no way of looking at project output (i.e., no scope), and no way of measuring inductance/capacitance. Are these things important?

I'm told that the \*Handbook\* has cheap ways to adapt a multimeter to measure inductance and capacitance. Do these work, and is there any other source for these "adapters" besides the \*Handbook\*? I'd rather not plop down the \$45 for the handbook at this point.



Thanks!

72 es 73 de=20  
Marty, KN4BH

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Mike Robinson <miker@cc.com>  
Subject: [11211] Thanks for a job well done.  
Message-ID: <9702062102.AA21341@voder.nsc.com>

Scott,

Thanks for a job well done. You took on a huge  
task doing the LDG kit buy. Everybody benefitted  
and you deserve a vacation.

=====  
7.3 de Michael N7MR miker@cc.com michael@frii.com  
http://www.frii.com/~michael  
QRP-L #126 Norcal #857 CQC #180  
=====

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: James Parsons <k5rov1@worldnet.att.net>  
Subject: [11139] TICK-1  
Message-ID: <1.5.4.32.19970204224350.0066fb70@204.127.3.1>

Well, my Tick-1 arrived today, less than two weeks after I ordered the  
complete kit. And, I gotta say, it sure looks great. I can't wait to get it  
together.

I have built many keyers through the years, the latest being the CMOS II and  
III. This little keyer looks like a fun project. And, it is written up so  
well that I am tempted to let my nine year old grandson put it together.  
Naw, why should I let him have all the fun?

This keyer will be put in one of my HW-8's. I have put the hole for the switch right under the meter. I suspect it will work just fine.

Thanks to the good folks at Embedded Research for their quick response, and the fun project. Gosh, even after 50 years of building, every project is exciting!

73...

Jim, K5ROV

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [11129] Tuner Survey II  
Message-ID: <199702060359.WAA18780@mh004.infi.net>

Gang, I'm sorry. I've received several replies from the survey, and it's obvious I asked the wrong questions. Here is the new survey. It has one question. What I'm trying to do here is figure out which tuners to test. - and, of course, report to all which tuners are most popular.  
1. What are the brands and model nos. of the tuners you use?

(If you want to tell me about your HB tuner, that's good info also)  
CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Bruce Rattray <rattray@siast.sk.ca>  
Subject: [11156] wd4msm  
Message-ID: <7316550706021997/A32973/RIEL/11B231F70F00\*@MHS>

MOrning Barry!...re your "short list"...I listened and listened and searched for you for 2 hours but it was not to be...every now and then 2/3 signals would suddenly appear only to disappear a short time later as if "someone" was moving a giant faraday shield up and down over Regina...HI HI...I was lucky to get a call down let alone anything else...HAR!...  
...I see there's going to be a Canadian Day on the 18th and I'm going to try to put VE5 on but I wonder if that "shield" will be in action again and shut it all down....one can only try...good hunting Barry!...73 Bruce (VE5RC) QRP-L#886  
"QRP! How sweet it is!"

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [11105] Web page additions  
Message-ID: <855187130.1017603.0@gqrpclub.demon.co.uk>

Added today:  
Full list of G QRP Club members QRV on packet radio  
(<http://www.gqrpclub.demon.co.uk/packet.htm>)  
Another 'goodie' from SM0VPO:  
CW filter and notch filter:  
(<http://www.gqrpclub.demon.co.uk/ix-af.htm>)

New link on CW page  
(<http://www.gqrpclub.demon.co.uk/cwfan.htm>)

More to follow...

---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web sites: <http://www.gqrpclub.demon.co.uk>  
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "CHRIS KB5VYB" <guardianone@mvtel.net>  
Subject: [11125] what is status of 38s digital readout???????  
Message-ID: <9702060259.AA30676@host.ot.centuryinter.net>

I haven't heard ANYTHING about this read out since it slipped out that one was in the works.

Anyone know something new?

72 73 Chris KB5VYB QRP-L # 853 AK/QRP #38 AR/QRP #32

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Buck Switzer <n8cqa@tir.com>  
Subject: [11103] Winter '96 QRPp  
Message-ID: <199702060003.TAA04112@tir.com>

Doug - The Winter '96 QRPp arrived today in MI. Great job, as usual. Well

within the 6weeks I usually allow for 3rd class mail.  
NorCal has generated another great quarterly, as usual.

72/73 Buck

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: okasb@rex.mtv.gtegsc.com (Bob Okas)  
Subject: [11107] Re: 38S: IC Test Voltage Table  
Message-ID: <9702060024.AA24961@rex.mtv.gtegsc.com>

Paul,

Thanks for performing the measurements and publishing  
the data. I noticed a few errors, though:

>NOTE: U1-3 = U3, pin 3.

I know you meant U1, pin 3.

>Q1 2N3904 RF Driver & bi-phase franistan

Come on, Paul, \*Everybody\* knows it's really  
a monostable digilator! ;-}

Seriallously, this data should go a long way  
in exorcising the badgers so's the .38's can be  
used for bagging the micro-ferrets, n'est pas. Nils?

Bob

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "William R. Colbert" <V31XE@dzn.com>  
Subject: [11192] re: 89er info  
Message-ID: <32FA40F5.1218@dzn.com>

Many thanks to Randy, WJ4P, for working out and putting the basic 49er  
conversion from 40 to 80 information on the list. Looks  
to be very interesting info.

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)

El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Niels Jensen Kristjansson <nkristja@cadvision.com>  
Subject: [11142] Re:AE4JM  
Message-ID: <1.5.4.16.19970205113407.1f2ff3a0@cadvision.com>

Hi Gang!

I bet that kid has a very "distinctive swing", will be on the look out.  
Just could not help myself, flamesuit pressed and ready.

72 de Niels  
VE6NJK/TF3NJ

:Argonaut 509, HW-7, Epiphite, 49-er on steroids.....

---

>Date: Thu, 6 Feb 1997 00:58:46 GMT  
>Reply-To: adams@chuck.dallas.sgi.com  
>Sender: owner-qrp-1@Lehigh.EDU  
>From: adams@chuck.dallas.sgi.com (Chuck Adams)  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: AE4JM  
>X-Listprocessor-Version: 8.0 -- ListProcessor(tm) by CREN  
>  
>  
>For those of you not paying attention!!  
>  
>Do you remember the young pup that I worked on 30M from  
>from the South USofA? The one that I sent a paddle  
>and keyer to? The one that was doing 20wpm on a straight  
>key?  
>  
>I knew you would.  
>  
>dit dit  
>SIG  
>Chuck Adams K5FO adams@sgi.com  
>[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [11169] Re:AE4JM  
Message-ID: <199702061558.PAA05968@chuck.dallas.sgi.com>

No swing. He is that good.  
SIG  
Chuck Adams K5FO adams@sgi.com  
[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Philip Karras <ke3fl@access.digex.net>  
Subject: [11173] RE: Antenna Connector, did You know...  
Message-ID: <Pine.SUN.3.94.970206113622.25098A-100000@access5.digex.net>

John,  
I didn't have one so I made something like it. Mine has clips on the ends & I do use it for my travel 40m dipole. Works just fine, tho' it wouldn't in a strong wind I guess. I have also made almost exactly what you have.

72 & 73 de KE3FL/Phil  
:-)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [11183] Re: ARCI Logo  
Message-ID: <v0300780daf1fbf66ea01@[129.74.35.16]>

At 9:07 AM -0600 2/6/97, Allen Jones wrote:  
>Does anyone have a \*good\* scan of the ARCI logo? I downloaded a zip file of  
>QRP club logos from the ARRL bulletin board that contained the ARCI logo in  
>both PCX and TIF formats. They are OK as long as you keep them small but as  
>soon as you attempt to increase the size a bit they look pretty ragged.  
>I've been designing my own QSL cards using Word and wanted do one especially  
>for QRP contacts with a prominent ARCI logo.

I'm working on one, and will soon make it available on the Internet QRP Club website and other locations.

-----  
Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: kd1jv@juno.com (Steven Weber)  
Subject: [11101] Re: Band plan question.  
Message-ID: <19970205.184800.7743.6.KD1JV@juno.com>

What band plan?

I suspect with freq hopping, i.e., computer controled spread spectrum, whatever freq sounds clear for a few seconds is fair game to the digital modes. If you have a totally computer controled rig, the op might not even be lisening to the rigs audio. Does anyone know if this is common now days?

If you monitor a clear freq for a little while, chances are good you will hear a digital station pop up and send a few bursts, then another one will suddenly show up. This will go on for a few minutes and if any QRM shows up, at least enough to give parity errors, they both will pop off to who know's where. Sadly, a QRP station is not likely to bother them much and could sound like a clear freq to a computer.

I don't know, maybe we should retire the code key and join them. Or have a KW amp handy to "clear your space"

de KD1JV, Steve

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: JCoote@aol.com  
Subject: [11153] Re: Band plan question.  
Message-ID: <970206084503\_473724612@emout18.mail.aol.com>

In a message dated 97-02-05 14:04:27 EST, ebjr@worldnet.att.net (Sandy W5TVW) writes:

>Subj: Re: Band plan question.

>Date: 97-02-05 14:04:27 EST  
 >From: ebjr@worldnet.att.net (Sandy W5TVW)  
 >Sender: owner-qrp-1@Lehigh.EDU  
 >Reply-to: ebjr@worldnet.att.net  
 >To: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)  
 >  
 >At 04:54 PM 2/5/97 +0000, you wrote:  
 >>Yesterday, I was chatting with a Packet user who said that 7.030 was some  
 >>sort  
 >>of DX Packet frequency. He was blasting away on the frequency yesterday  
 >>morning.  
 >>  
 >>Is this true?  
 >>  
 >>CUL,  
 >>  
 >>Smitty, NA5K  
 >>  
 >>  
 > This problem has reared its ugly head more and more lately. I think  
 >we need to partition off what is left of the CW band and limit digital modes  
 >to a sub-band. There are too many "unattended" automatic packet forwarding  
 >stations that don't care WHAT is on the frequency they are set on.  
 > With talk of coming "no-code" licenses for HF radio, we need to get  
 >some grass roots support NOW for this, or the CW operators will get pushed  
 >off the band by sheer default.  
 > We need to 'lobby' the ARRL, W5YI group, etc. to institute some  
 >protection for what will become an "endangered species": the CW operator!  
 >If not by actual regulation, then at least by "gentleman's agreement", we  
 >must have some segregation of digital and CW modes.  
 > BTW, I think your packet friend is all wet! 7030 is used in Europe  
 >for QRP operations, certainly not packet.  
 > Your opinions and comments welcomed!  
 >73,  
 >E. V. Sandy Blaize, W5TVW

Hello All;

I operate both attended, unattended packet and other digital modes on HF such as pactor and GTOR. (And CW of course).

Conscientious packet operators try to stick to the higher side of the HF digital subbands and stick to LSB, odd-increment dial frequencies... ex: 7091, 7093, 7095. This is a gentleman's agreement. When adhered to, it works quite well with room for CW, packet, pactor, RTTY and the rest. This also provides channelization for gateways, nodes or unattended stations, reducing QRM.



The problem is not so much do do with properly operated unattended stations (such as an HF-VHF packet gateway) as it is with lids who randomly spin the VFO and decide to plop on any old frequency and "choke the cricket".

I think the key is education and information.

Those of us with packet capability should be putting this debate out where it will be read by packeteers.

73, Jay

W6CJ

W6CJ@K6VE.#SOCA.CA.USA.NOAM

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: AE0Q / V31RY <v31ry@ix.netcom.com>

Subject: [11187] Re: Band plan question.

Message-ID: <2.2.16.19970206180113.29a7f016@popd.ix.netcom.com>

At 18:47 05-02-97 KD1JV wrote:

>

>I suspect with freq hopping, i.e., computer controled spread spectrum,  
>whatever freq sounds clear for a few seconds is fair game to the digital  
> modes. If you have a totaly computer controled rig, the op might not  
>even be lisening to the rigs audio. Does anyone know if this is common  
>now days?

>

Steve, spread spectrum is not authorized on the HF bands (for hams). The FCC has authorized 'semi-automatic' digital stations to use all freqs that digital modes are legal on (legally, the whole cw band), and the 'full-automatic' stations are limited to about 10KHz on each band (at the high end). There was quite a battle in the digital community about this 5 years ago, and that was the compromise (most did not want the full-auto stations to clutter up the bands).

The semi-auto stations are ones that monitor frequencies, usually scanning several on a number of bands, listening to each one for a few seconds. They do not transmit beacons, and are supposed to only transmit when their callsign is heard from a station that is manned by a person. It is illegal for two computer controlled, UNattended stations to link outside of the special 10KHz segments. The intent was to make sure at least one end of a link in the 'normal' digital bands (shared with cw) had a person at the radio. That person of course should only transmit if the frequency is clear.

There are lots of personal 'mailboxes' and BBS links to the VHF packet system that are semi-auto HF stations. They have published, 'channelized' frequencies that they monitor (how else could anyone find them). Most are above 7064 and 14064, with Clover being the mode that typically uses the

lowest freqs (not counting the RTTY DX low on 40m). Clover has the soft, 'burrurring' sound as opposed to the harder-sounding chirps of PacTOR.

I don't think people are using an intentional band-hopping technique, because Pactor and Clover stations have to link and there is some overhead, exchanging the ID of the station if nothing else. It would be very slow, and I've never read about it in any digital publications. However, it doesn't take more than a few exchanges to check into a mailbox, look for traffic, and disconnect. That's probably the short hookups you have heard.

I'm just trying to explain how the considerate digital operators use the modes, I can't stick up for the rude ones! Hopefully as the higher bands open things will spread out and up again, and the crowding on 40m will mellow out.

I've enjoyed QRP cw since 1969, and have also been on RTTY and newer digital modes since 1971. I don't think we need to only like one or the other!

73 -- Glenn

-----  
Duct Tape is like the Force: It has a light side, and a  
dark side, and it holds the Universe together.

AE0Q / V31RY            ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com    -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "William R. Colbert" <V31XE@dzn.com>  
Subject: [11110] re: bandplan question  
Message-ID: <32F942C0.3F77@dzn.com>

Re: Smitty's (NA5K) question about the packet stuff - I think that is just some wishful thinking garbage by some digi people. I think the lowest that ARRL has pushed for so far is the 7.040. However, it does seem to be a lot more packet down that low, seems to be coming from south of here, so maybe they are trying to get a bandplan change?

--  
Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [11130] Re: Dec QRPP ???  
Message-ID: <Pine.LNX.3.91.970205202303.13789B-100000@dt1.datatamers.com>

Jerry,  
Just got mine today.  
72, Dave, W6EMD (near San Francisco)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Peter Barville <peter@barville.demon.co.uk>  
Subject: [11213] Re: Dec QRPP ???  
Message-ID: <JptqdFAv\$i+yEwCA@barville.demon.co.uk>

>Am I the only one who hasn't received their December QRPP  
>yet??

Don't think they've filtered their way across the pond yet ...

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Werner Jochem <Werner.Jochem@hoexter.netsurf.de>  
Subject: [11152] Re: Digital "Bandplan"  
Message-ID: <32F9DF82.5ACE@hoexter.netsurf.de>

William K Hibbert wrote:

>  
> The local packet club in Rochester had a copy of something called "The  
> Considerate Operators Frequency Guide", which was a many-times copied  
> list from one of the packet BBS's.  
>  
> It listed Eu packet on 40 Meters from 7.030 to 7.040 MHz. My copy is so  
> dog-eared that I can't make out the routing, but it came from a DL-based  
> BBS.

IARU Region 1 (Europe, Africa etc.) bandplan lists 7.035 to 7.045 for  
digital  
modes.  
72 Joe

DK7VW (AC5KS)

ARRL \* DARC \* AGCW-DL \* DIG \* G-QRP-C \* HSC

Werner 'Joe' Jochem                      Tel:    +49 5271 8577  
Postweg 20                                Fax:    +49 5271 8560  
D-37671 Hoexter                         Email: Werner.Jochem@hoexter.netsurf.de  
                                         jochem @ t-online.de  
                                         ax.25: DK7VW @ DB0HOL.#NDS.DEU.EU

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [11116] Re: Earphone Impedance  
Message-ID: <1.5.4.16.19970206011022.1de77242@mail49.mci2000.com>

At 08:39 AM 2/5/97 -0700, Brian Kassel wrote:

<snip>

>Jim:

> Wow, what a great idea, never even occurred to me!  
> So how did you physically do it? Did you change the  
> wiring at the 38S jack, or the earphone plug?  
> Making the change at the 38S side, would allow any  
> phones to be run in series, wouldn't it?  
> Wonder if you might take the time and describe  
> what exactly needs to be done for some of the  
> less technical folks on the list.  
> Great idea!

Well others have been doing it for a long time Brian. It's  
just 'new' to me!

Basically, you need to isolate the stereo jack, so that the  
normal grounding of the common connection of the earphones  
isn't grounded anymore. Then reconnect the audio ground  
that was to the normal earphone jack ground, to the ring connection  
on the jack. The normal audio signal lead should be left  
connected to the tip connection of the earphone jack. It's  
that simple, and makes quite a bit of difference on the 38S  
with the earphones that I am using.

72....Jim

|                             |         |                     |
|-----------------------------|---------|---------------------|
| Jim Kortge, K8IQY (ex NU8N) |         | BMHA, NorCal, QRP-L |
| jokortge@tir.com            | __o     | Cascade 17/40 SSB   |
| Fenton, MI                  | _`\<,   | Mizuho 17/40 SSB    |
| ...                         | (*)/(*) | ...                 |

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [11151] Re: Earphone Impedance  
Message-ID: <v01530500af1efb5e7c45@[192.0.2.1]>

My method is a bit "klugier" - I plug the stereo phones in to a "stereo plug to rca plug" adaptor, then plug that into an "rca to mono phone plug" adaptor, which plugs into the rig. Both adaptors are available at Radio Shack (they might have a single "stereo plug to mono phone plug" adaptor, but I couldn't find one on the rack). It sounds worse than it is - the combined assembly is only about 2 inches long. The nice thing is that it works, and you don't have to modify the phones.

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279 qrp arc1 #3551  
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [11189] Re: Earphone Impedance  
Message-ID: <3.0.16.19970206071555.2a7f2224@mail.lightside.com>

All:

Radio Shack 1/8" stereo-to-1/4" mono adapter P/N 274-348 \$2.49. But check the package before you walk out of the store. My first try was a 1/8-to-1/4 stereo to stereo with the correct P/N.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [11184] Re: FYBO: Winter Safety  
Message-ID: <Pine.SOL.3.91.970206123112.13633B-100000@hyper>

On Thu, 6 Feb 1997, Joe Gervais wrote:

> -----  
> FYBO Winter Safety Tips  
> -----  
> Please feel free to add to it as you see fit!

Don't forget the sun screen (and a good hat if you're semi-bald like me)!  
Sunny and 80 degrees (and rising) here in Fort Lauderdale.  
Where do I find the rules for the FYBO?

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
Subject: [11199] Re: FYBO: Winter Safety  
Message-ID: <Pine.OSF.3.95.970206130424.27412A-100000@duke.usask.ca>

On Thu, 6 Feb 1997, Joe Gervais wrote:

> -----  
> FYBO Winter Safety Tips  
> -----

[snip]

> - Bring a few extra days' worth of food. Not 5-course  
> meals necessarily, but enough to keep you going.

Chocolate bars are good. They keep well and are high calorie items.

>  
> - Same for water and cooking fuel, if necessary. (Eating  
> snow, BTW, is considered counterproductive in most winter  
> survival situations.)  
>  
> - Bring along a "space blanket" for emergency shelter/

> warmth/position marking. The ones with bright orange  
> on one side are good for this. Pick a heavier one if  
> possible.

If you are travelling in the cold by car it is a good idea  
to carry along candles (and a way to light them--don't depend  
the car's cigarette lighter...) Candles can generate enough  
heat in a car to keep you from freezing (note I did not say  
keep you warm ;-)

[snip]

```
+-----+
| Brian Buydens,          Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca          http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| Keep Cool, but Don't Freeze                                     |
|           - Hellman's Mayonnaise                                |
+-----+
```

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Allen Jones <ajones@adsnet.com>  
Subject: [11210] Re: Heathkit Parts  
Message-ID: <1.5.4.32.19970206204934.006a1450@adsnet.com>

At 09:33 AM 2/6/97 -0800, you wrote:

>Hi Guys:

>

>I am still trying to repair my ancient Heathkit scope and looking for  
>some uniquely specified Heathkit parts that don't seem to have any  
>alternates available. Somewhere I believe I heard or read that the  
>existing inventory of parts was bought from Heathkit at the time they  
>closed and is being made available. Does anyone know if this is true and  
>how to contact that person/company? Any other source for these parts?

>

>TIA

>

>vy 72/73

>Elliott WA6TLA

>NorCal #1402, QRP-L # 920, QRP QRCI #9334

>

I believe some of the parts inventory went to Surplus Trading Company in  
Benton Harbor, Michigan. (616) 849-1800 The owner is Les Turk. I seem to  
recall that the ham radio related stuff went somewhere else.

72/3 de Allen, W9DZ  
ajones@adsnet.com

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Leon Heller <leon@lfheller.demon.co.uk>  
Subject: [11235] Re: Heathkit Parts  
Message-ID: <Md9SCGA7di+yEwBx@lfheller.demon.co.uk>

In message <32FA15DC.5EDD@pacbell.net>, Elliott Lawrence  
<edl@pacbell.net> writes

>Hi Guys:

>

>I am still trying to repair my ancient Heathkit scope and looking for  
>some uniquely specified Heathkit parts that don't seem to have any  
>alternates available. Somewhere I believe I heard or read that the  
>existing inventory of parts was bought from Heathkit at the time they  
>closed and is being made available. Does anyone know if this is true and  
>how to contact that person/company? Any other source for these parts?  
>

I saw this advert in RadCom:

Heathkit UK Distributor. Spares and service centre for Heathkit  
amateur equipment. Cedar Electronics, 12 Isbourne Way, Broadway Road,  
Winchcombe, Cheltenham, Glos. (01242) 602402.

73, Leon

--

Leon Heller, G1HSM  
leon@lfheller.demon.co.uk  
Tel: +44 (0) 118 947 1424 (home)  
+44 (0) 1344 385556 (work)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Bob Follett" <bfollett@ditell.com>  
Subject: [11115] Re: High speed CW  
Message-ID: <199702060058.RAA05308@orion.ditell.com>

Hi Martin:



The best Hi-speed cw article I have found is on "Mr DX's" Web site. Ron Stark pointed me to it.

[www.qth.com/ka9fox/high\\_speed\\_cw.txt](http://www.qth.com/ka9fox/high_speed_cw.txt)

Lots of other goodies at this site too. I really like the dx'ers polling each other on equipment and antennas.

73, Bob

-----  
Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
2861 Estates Dr. VOICE: 801.649.6457  
Park City, UT 84060 E-mail: [bfollett@ditell.com](mailto:bfollett@ditell.com)

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: [ori@juno.com](mailto:ori@juno.com) (Ori K Mizrahi-Shalom)  
Subject: [11145] Re: High Speed CW  
Message-ID: <19950205.231602.4423.8.ori@juno.com>

There are a few distinct barriers for high speed CW:

- most people can copy 20 WPM with a pen and paper.
- most **\*\*trained\*\*** people (6 months, 6-10 hours/day...) can copy random groups (cypher) up to 28 WPM, even in their sleep.
- beyond the 28 WPM you need to either use a typewriter, computer etc. or...
- "speak CW", think about it as a language. If you lose track of a fast sequence, you find the next recognizable **\*\*word\*\*** and you go on copying. You must develop a good vocabulary which you can decypher sub-consciously (computer programs are great for that).  
I believe that a good portion of the enthusiast crowd can make it to this level (35 WPM) and **\*\*really\*\*** enjoy rag-chewing in CW.
- Beyond the 40 WPM... I'm not sure what it would take...

I'm struggling at the upper 30s... so what if you don't pick all the words, it's a language. You converse, you don't analyze spelling and grammar.

Most of the time I write down only key details.

How do you get there?

Listen, listen and then listen again. Also get on the air, make mistakes (hopefully not too many) and correct them, and push your limits one step at a time.

Listening to weak signals is great. You miss information here and there

and you learn to (1) go on, ignore what you missed and continue receiving,  
and (2) complete mentally the missing pieces, sort of copying behind, just that in this case it's comprehending behind...  
Needless to say that a straight key won't get you up there...  
I also practice sending at high speed. You must coordinate between what you hear and what you do with the paddles (OK, a bug could work too...)  
I repeat sequences many times until they sound clean to me. It's no different than playing a musical instrument. Talent helps but hard work and dedication are the main ingredients for achieving high standards.  
You'll be surprised to see the change after a few months of systematic practice.

Have Fun!

ORI AC6AN

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: JCoote@aol.com  
Subject: [11154] Re: High speed CW  
Message-ID: <970206084450\_-1476323645@emout07.mail.aol.com>

In a message dated 97-02-05 13:18:20 EST, jcowgar@villers.com (Jeremy Cowgar) writes:

>  
>What about typing on a computer? Most hams probly now have computers in their  
>shack and I would venture to say that most can type faster than they would  
>ever wish to recieve code. That's how I do it, however my recieve ability is  
>about 7 wpm :) Just recently got back into it and I am improving everyday.  
>Soon I'll go for my general.  
>  
>Jeremy N. Cowgar - jcowgar@villers.com  
>Villers Enterprises, Inc. - VEI of Ohio  
>7845 Wales Ave. NW.  
>North Canton, Ohio 44720  
>  
>

I think MFJ makes a few models of CW keyboard. Any PC computer keyboard can be connected to their keyer which has memory, sidetone, etc.

73, Jay  
W6CJ

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "William R. Colbert" <V31XE@dzdn.com>  
Subject: [11108] re: highspeed CW  
Message-ID: <32F9413C.160@dzdn.com>

Ability to place copy on paper either via pencil, typewriter was the way it is taught in the military schools. I had to learn to type and to coordinate the already known code to the typewriter and once that was accomplished, the speed increased well above the 25 gpm required for graduation. Speed increased once assigned to the operating position by copying stations that were 20-25 percent faster than my highest solid copy speed. Of course, one will not have perfect copy, but you will start to recognize the sound of the character surprisingly fast and as you do, the speed will increase. Can't copy ahead as all the traffic is either coded 5L or 5F groups - so it had to be letter for letter. Once you practice doing that, your in-head copy speed should increase and maybe surpass what you can copy down by a considerable amount. Not many of those fast stations left on the air now but for really high speeds, listen around 7023-7025 just about every night for W1NJM (Geo. Hart) and K6DYZ?, they alternate nites, but their practice starts at 30-35 wpm and goes up to about 60 or 65 wpm. I don't remember all of the particulars, but that is one such practice location.

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146  
(also af852@rgfn.epcc.edu)  
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "j.w. thornton" <dub@oklahoma.net>  
Subject: [11175] re: highspeed CW  
Message-ID: <3.0.32.19970206103546.00762580@okc.oklahoma.net>

Fellow CW'ers: This is a very interesting thread, with differing views. I have done the copying on a mill, and find that will increase the speed that I can put down copy on a mill. Putting it down on paper is necessary for traffic handling, or in the olden days, Western Union, Press, Railroad, Shipboard, etc. I was a Railroad Telegrapher, as a youngun, but rarely copied anything above 30-35 WPM. Consequently, my top copy speed was not

much above that range.

When I got joined the Amateur Radio ranks, and got bitten by the CW bug, I found that copying (in my head) at a speed where I could only get perhaps 75 percent copy helped to increase my speed. On the air QSO's helped tremendously, particularly, when working with ops that understood that I was trying to increase my copy ability, and were willing to work above what I could copy solid. Just get on the air and use it, or find CW that is a bit too fast for solid copy, and just copy it in your head. You will be amazed at how quickly your copy speed will come on up.

Now to the differing views. I have heard for many years, that the faster ops do not copy letters, only words. I have nothing but admiration for someone that can learn to recognize the sound of all the words in the English language. I am not so fortunate! I do recognize some of the very common words that we use most frequently, and these I recognize at most any speed you can send them. My top copy, however, is limited to what I can copy by letter, as I cannot memorize the sound of all the words in the English language, and have difficulty understanding how anyone else can do so. For information only, I normally run 30-35 WPM on a paddle, 40-50 on a board, with the rare excursion to 60 Plus. Copy (by letter) CAN be done at a purty good clip. My view! "72"

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [11216] Re: highspeed CW  
Message-ID: <32FA4BE0.3945@rakefet.com>

j.w. thornton wrote:

> Now to the differing views. I have heard for many years, that the faster  
> ops do not copy letters, only words. I have nothing but admiration for  
> someone that can learn to recognize the sound of all the words in the  
> English language. I am not so fortunate! I do recognize some of the very  
> common words that we use most frequently, and these I recognize at most any  
> speed you can send them. My top copy, however, is limited to what I can  
> copy by letter, as I cannot memorize the sound of all the words in the  
> English language, and have difficulty understanding how anyone else can do  
> so.

I can comfortably copy about 45-50 in my head (and faster when I concentrate), and I've noticed that I seem to 'hear' most common words. Long or unfamiliar words sometimes seem to come in a syllable at a time. I don't think I ever copy a letter at a time. I don't know what would happen with code groups, but I suspect that I would 'hear' a few letters at a time. After all, how do you read a newspaper? You don't

read a letter at a time, you 'see' (at least, \_I\_ seem to read this way)  
pieces of words or whole words.

Vic

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Randy Hargenrader <randyh@harksystems.com>  
Subject: [11113] Re: Kanga U.S.  
Message-ID: <32F92ACA.5E2@harksystems.com>

Amen Bro. Bill!!!

I too have had EXCELLENT service from Bill Kelsey.  
He went out of his way to help me get me my order  
FAST! By the way gang, Kanga has some pretty  
interesting kits to choose from. Don't overlook  
this source for parts and neat things to build.  
For one, the Quadrature receiver looks like a real performer.  
Usual disclaimers, just a happy camper...

--

73, Randy WJ4P  
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [11227] Re: KEYER: Found one gud for Bare Essential  
Message-ID: <33005de4.81304439@pop.usit.net>

On Fri, 24 Jan 97 06:42:05 -0000, "Len W. Tough" <len@infinet.com>  
wrote:

Hi Gang.

=20

>Just a quick note to anyone who may have a "Bare Essential" tube rig or=20  
>any rig that needs a relay keyer.

> =20

>I found a good one at a great value from Kanga US. It is called the=20  
>KIRSTA and I assembled it in about 20 minutes. It works well, and=20  
>because of the built in relay, keys my "Bare Essential" rockbound tube=20  
>rig FB.

>

>I am not sure if Kanga has any of these bargain Kirsta keyer kits left. =  
=20

>I think they may have been closed out. However, I think that they have =  
a=20

>mod available for the Kanga Keyer that adds a relay. Bill at Kanga =  
would=20  
>know for sure.

When I built my CMOS Superkeyer II some 6 years ago, I put a reed relay at the end of the keying line, and fed it straight to the key -- the relay was a 5VDC Radio Shack job, the part number of which escapes me.

The net result was that the relay would operate any rig, as the rig would see a straight key (the relay) and there would be a driver for the straight key (the keyer).

My question:

Is this an appropriate fix? If the only limiting factor is the keying speed, it's not much of an issue with me, but I'd like to know what the upper limit might be with various relay combinations. If there are other problems with such a design, I'd like to think about whether or not I want to eliminate the relay.

As an aside, it has been several years since I really used it, but I didn't encounter any problems. The keyer worked as advertised (amazingly, since it was my first kit).

Thoughts?

72 es 73 de=20  
Marty, KN4BH

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: wager@juno.com (James W. Cates)  
Subject: [11161] Re: kits shipped  
Message-ID: <19970206.071007.3582.40.wager@juno.com>

I am still laughing at Doug's description of me at the post office, and I do appreciate his compliment. But, nothing could be done here, unless he bagged the parts, etc. etc. etc. Modesty becomes Doug, but I am not so restricted. Let's hear it for Doug! Rah Rah Rah! jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [11224] Re: Loop Antenna  
Message-ID: <32fe5ccc.81025040@pop.usit.net>

On Wed, 5 Feb 97 19:21:07 EST, Joel Malman <malman@BBN.COM> wrote:

>If anyone has not noticed, there is a nice little (lead off) article  
>in the Feb 1997 issue of CQ about building a loop antenna. Got me =  
thinking  
>about using one for this years Field Day.

=20

/joel wa1qvm

=20

The Kingsport/Bays Mountain Radio Club (TN) used to use a loop fed  
with open feeder with much success on Field Day. Of course, the  
antenna supports were the light poles around the baseball diamonds  
(4 of them, if I remember correctly). Used to take about an hour to  
set up, with the assistance of a marksman archer.

What an antenna ...

They ran QRO, multi-transmitter though.

My elmer (N4ROA) and myself would go to his mountaintop cabin in  
High Knob, VA (ele. ~6000 ft.) and work QRP from there. Dipoles all  
around. But (IMHO) much more fun than the "big" setup!

72 es 73 de

-----  
Marty, KN4BH e-mail: mdwatt@usit.net  
Jackson, Tennessee http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
ARRL VE - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq  
-----

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11208] Re: Loop Antenna Circumference  
Message-ID: <199702062010.PAA24357@alaska.magpage.com>

Ref: Jim Duffy's comments:

>I and others who have built loops find that the classical 1005/MHz (in  
>feet) results in a loop that is too small, that is it is resonant at too  
>high a frequency. 1033/MHz is a better starting point for loop  
>

Same thing here Jim.

My 40M loop ended up at 151 feet to be dead on 7.040 and it was hung  
vertically with the bottom 30' above the earth. When we moved, I remeasured  
it and it was exactly 151'. Wire was 16 Ga. soft drawn copper.

FWIW, Jim K3QIO Del

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: ori@juno.com (Ori K Mizrahi-Shalom)

Subject: [11144] RE: NC38S: Tinkering around

Message-ID: <19950205.231602.4423.9.ori@juno.com>

Roger,

It's great that you're having fun with this... here are some other  
options.

First the point at which you put the probe for the frequency measurement  
changes the loading and might change the operating frequency a little.

Ignore the minor frequency variations.

Seems like the 6.8uH choke gives you a good range.

You can limit the range on either side by adding a fixed resistor on  
the hot side or the ground side of the tuning capacitor.

If you haven't implemented the RIT mod, there are two such positions  
on the board. You have to cut traces, but that's part of the fun...

A good experiment is to measure the voltage on the tuning pot wiper  
and the resulting VXO frequency. That gives you a good idea what  
resistors

you want to use.

As it looks from your previous measurements, you could achieve a coverage  
of 10.100-10.130 with the right resistors. Give it a try.

After you're done, measure again the tuning rate (KHz/Volt). Compare that  
graphically (any spreadsheet will do, but some tabulated paper would  
too).

I think you'll find interesting changes...

Have Fun!



ORI AC6AN

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Alan Kaul <kaul@netcom.com>  
Subject: [11147] Re: NC38S: Tinkering around  
Message-ID: <Pine.3.89.9702060053.A27795-01000000@netcom14>

Roger, you're on the right track .... but someone else has posted a better fix for setting the frequency to 10.100 (can't remember who, but his idea was to buy an approx 20k potentiometer and wire it in series with the grounded end of P1, the 100k tuning control. Set P1 at minimum frequency reading and then rotate the new 20k pot thru it's range until you have the bottom end set at 10.100 on your counter. Once the rig is calibrated, you won't have to touch the calibration control, so then do all your turning with the 100k pot! Pretty good solution. Many thanks to whoever thought of it and posted here!  
GL, 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [11164] Re: NC38S: Tinkering around  
Message-ID: <32F9FA78.126C@dancris.com>

Thanks, guys for the info. I'll play with these ideas as well.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: jdenison@aisp.net (JOEL DENISON)  
Subject: [11201] RE: new freq allocations  
Message-ID: <19970206192049102.AAA43@slip8.ts-f-merrill.caps.maine.edu>

I have read a few posts on digital and cw gentlemen agreements that

seem to be less known to the newer ops. I would like to pose the following suggestion as a possible solution and would like some feedback on it. I am not a digital op (so far) but who knows.

I assume people have read the new changes arrl wantes to make in the ham world and I was wondering if this option for forty meters would be workeable to those of us sharing the same freq space.

I say that the freq from 7.1 to 7.150 that is proposed to go to ssb use be set aside for digital use. That's 50khz of digital for the digital community. Is more needed? (the word is needed not wanted)

Then there is the intermediate operator community (5wpm) they probably would like a bit of space for their use, then qro cw, and qrp cw and maybe qrp digital.

I'm thinking that a new negociated "gentlemen's agreement" is needed. If representetives from the different modes could get together and come up with an equitable allocation of space, there might be less irritation on the band with everyone having a spot to operate their favorite mode.

Of course the arrl's proposal would have to be modified to achieve this. I think this is an idea whose time has come. Is this something the qrp community can endorse?

drop me some e-mail and let's see what you think? (please keep it to a page or so.) :-)

Thanks for your time and attention

Joel WA5CVM

God Bless

Joel

WA5CVM

Joel Denison

81 High street

Farmington, Maine 04938

jdenison@aisp.net

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: Dave Sjolin <sjolin@swbell.net>

Subject: [11215] Re: new freq allocations

Message-ID: <32FA4AE5.4609@swbell.net>

JOEL DENISON wrote:

>

> I have read a few posts on digital and cw gentlemen agreements that  
> seem to be less known to the newer ops. I would like to pose the > following  
suggestion as a possible solution and would like some  
> feedback on it. I am not a digital op (so far) but who knows.  
> I assume people have read the new changes arrl wantes to make in the

> ham world and I was wondering if this option for forty meters would be  
> workeable to those of us sharing the same freq space. I say that the  
> freq from 7.1 to 7.150 that is proposed to go to ssb use be set aside > for  
digital use. That's 50khz of digital for the digital community. > Is more needed?  
(the word is needed not wanted)

Joel, on a contest weekend like the one coming up this weekend, you will find that there will be wall-to-wall RTTY from 7055 to 7095 plus 7040 +/- 2 khz plus 7095-7100 for Packet (ugh). So yes 50 khz is probably enough. On non contest weekends, you might find four or five qso's in progress, max.

However, on your specific proposal, I don't think you will find many to bite. Last time I looked, the 7100-7150 area was full of broadcast stations. These are not compatable with digital modes. While RTTY is legal here throughout the entire forty meter band, it is not in other parts of the world. Stations outside of North America are not legally able to operate RTTY above above 7050. So moving USA digital to the higher frequency would have no impact on 7040 where the rest of the world operates RTTY.

> Then there is the intermediate operator community (5wpm) they  
> probably would like a bit of space for their use, then qro cw, and qrp > cw and  
maybe qrp digital. I'm thinking that a new negotiated  
> gentlemen's agreement" is needed. If representetives from the  
> different modes could get together and come up with an equitable  
> allocation of space, there might be less irritation on the band with  
> everyone having a spot to operate their favorite mode.

Gentlemen's agreements are tenuous at best when when talking ssb vs cw vs digital. The more you refine it, the less likely it is to hold. Also what we agree to is not going to hold water with others around the world. All it will take is a few from outside of the US to mess up any agreement. I am very doubtful that this will work. But good luck.

73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [11218] RE: new freq allocations  
Message-ID: <Pine.SUN.3.90.970206132300.11175A-1000000@vortex.sage.dri.edu>

Hi Joel,

The aim of the ARRL is to have all of 40m open for SSB and for

the elimination of CW for the license.

They also want to reduce the written test more. Wind up with nothing more than a few questions about regulations.

This has been their plan for years.

I think the only way to fight the ARRL is to stop sending them money!

If we all sent our ARRL dues to a lawyer, we could have as much influence with the FCC as the ARRL does!

Flame suit on..... :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: kd1jv@juno.com (Steven Weber)  
Subject: [11229] Re: new freq allocations  
Message-ID: <19970206.175713.4847.2.KD1JV@juno.com>

Okay, here's one of my radical posts again.

I say get rid of the tests all together! If someone wants to get on the air, all they would have to do is send the FCC 20 bucks to get a call sign and agree to abide by the rules. Now Ham radio would be just like any other hobby. You would just need an interest in it and the money to buy equipment. No different than knitting, model air planes, wood working, drag racing, scuba diving, etc....

Of course this would only work if the FCC spent the money they got from license fees on enforcement. If you make a pain of yourself and break the rules, you get your equipment confiscated and fined.

I would propose well defined sub bands for different modes. CW would have its slot, digital and SSB their own. Only the allotted mode could be used in the allotted space. No classes. Everyone has the same

privileges. Nice and simple.

Would Ham radio become like CB? Maybe, but probably not. Not everyone wants to play with radios and the equipment needed does (or can) cost some serious money. Unless we get flooded with cheap radios, I don't see where there would be a problem, any greater than what we have now. Even with the hurdles we have now, there are still some scum on the radio. With the no code and the watered down tests we currently have, were not far away from my proposal right now. Why not go all the way and be done with it?

Wonder how far this idea would go with the ARRL? I bet the FCC would like it.

de KD1JV Steve in NH, Flame suit on.

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: Jim Bennett <jbennett@ebmud.com>

Subject: [11231] re: new Freq Allocations

Message-ID: <32FA6791.1354@ebmud.com>

>de KD1JV Steve in NH:

> Unless we get flooded with cheap radios.....

Steve - there is where I think we'd have the trouble. The commercial manufacturers would see a HUGE gold mine here. Look how many CB radios have been built and sold in the past 20 years. The radio manufacturers would put on a giant advertising barrage. They would tout "world wide" communications can be yours without the need for a license. All ya gotta do is pay \$20 for the certificate and we'll sell you a \$200 radio and you're on the air.

The cost of our current equipment is priced the way it is because of the law of supply & demand. Not too many folks buy these radios because they currently have to study & get a license. But, there are lots of CB rigs out there. Why? Because anyone can get on CB without knowing CW or any electronics at all. If the demand for rigs suddenly shoots off the charts, there would be so much competition for equipment, the manufacturers would be selling them like hot cakes. With that happening, major price slashing would start. The manufacturers could now afford to do that, as they would be selling a whole lot more radios and their profit margin would change drastically.

Just my opinion.....

(I'm outta here to go buy a new flame suit!!!)

73, Jim.

-----  
Jim Bennett / W6JHB (jbennett@ebmud.com)  
Supervising Systems Programmer  
East Bay Municipal Utility District  
Oakland, CA 94607  
voice: 510.287.0224 / fax: 510.287.0373  
-----

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [11233] Re: new freq allocations  
Message-ID: <32FA6DB4.2FD7@dancris.com>

Under current law, the FCC does not get to keep any of the license fees it collects. So there is no incentive to enforce the regulations.

CB has some regs too, but everyone ignores them. I don't think it would be any different if your idea were in effect.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: JCoote@aol.com  
Subject: [11155] Re: qrp rtty/Pactor  
Message-ID: <970206084506\_618203972@emout20.mail.aol.com>

In a message dated 97-02-05 19:13:53 EST, femens@iquest.com (Frank Emens) writes:

>Seems as if I've heard someone on the list mention this in the last  
>few months. I've got this idea about using a qrp rig for digital  
>modes and am wondering if anybody has ever convrted one of the common  
>qrp transceivers for fsk use? I'm sure it can be done and probably  
>fairly easily depending on how the vfo is implemented, but I'd like  
>to see what results someone else has had before I get in too deep.  
>  
>

Have never converted a QRP kit for FSK but seems possible on the more stable rigs perhaps. I've operated QRP pactor/gtor/packet/RTTY by using an IC-735 with 3-watt QRP mod. This was AFSK, with the IC-735 connected to a Kantronics KAM allmode TNC.

73, Jay

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Kirby, John" <John\_Kirby@ATK.COM>  
Subject: [11150] RE: qrp rtty/Pactor "and CW"  
Message-ID: <c=US%a=\_%p=ATK%1=ATK/MPLS/0000AC57@exchange\_mn2.atk.com>

Frank,

Yes,

I am working on an FSK modification for the Sierra now...

The receive mode was easy, just "relax" the CW filter bandwidth network by shorting two of the four crystals...

Think I will end up using the Hamcom software...

That package of software includes a schematic for a unique (simple) hardware modem interface (no power supply necessary... its powered via the PC serial I/O)....

ALSO INCLUDED is a software spectrum analyzer (works WOW!!! great) AND a software tuning indicator (works WOW!!! great) AND a software oscilloscope (works just OK cuz the operator ME has not learned to use it yet!).....

I am not at home to double check but I "THINK" Hamcom WILL NOT support Pactor... ??maybe Pactor listen ONLY??.

I know that Hamcom will support;

baudot rtty,  
ASCII 7 and 8 bit,  
AMTOR... listen, ARQ, and FEC  
and CW (yes CW is a digital mode)...

72/7 John  
N3AAZ

>-----  
>From: Frank Emens[SMTP:femens@iquest.com]  
>Sent: Wednesday, February 05, 1997 5:57 PM  
>To: Low Power Amateur Radio Discussion  
>Subject: qrp rtty/Pactor  
>  
>Seems as if I've heard someone on the list mention this in the last  
>few months. I've got this idea about using a qrp rig for digital  
>modes and am wondering if anybody has ever convrted one of the common  
>qrp transceivers for fsk use? I'm sure it can be done and probably  
>fairly easily depending on how the vfo is implemented, but I'd like  
>to see what results someone else has had before I get in too deep.  
>  
>73,  
>Things are more like they are now than they have ever been before  
>Frank Emens femens@iquest.com  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: w2gum1@juno.com (anthony J Colaguori)  
Subject: [11157] Re: qrp rtty/Pactor "and CW"  
Message-ID: <19970206.092132.8175.11.w2gum1@juno.com>

PLEASE! PLEASE! PLEASE!

LETS NOT CRAP UP THE BAND WITH QRP DiGITAL TRANSMISSIONS

It is bad enough now with all that junk cluttering up the band let  
alone the QRP nets and related activites.

W2GUM

CW

FOREVER !

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Scott Cranston <cranston@zk3.dec.com>  
Subject: [11158] RE: qrp rtty/Pactor "and CW"  
Message-ID: <9702061358.AA23686@alpha.zk3.dec.com>

Anyone using, or thinking of using Hamcom should check out the  
"Unofficial Hamcom Homepage": <http://www.accessone.com/~tmayhan>  
There is lots of should read info there and lots of Hamcom circuit info



and enhancements.

Also, for a REALLY nice SSTV package that uses the Hamcom type interface see the Pasokon SSTV 'Lite' product at: <http://www.ultranet.com/~sstv>  
Its not free (\$30) like the Vester software is... but IMHO its at least two orders of magnitude easier to use, works real nice and has lots of functionality. Disclaimer... I have no connection with Pasokon, its owner or products... I just use and like it.

Scott  
KB1NW

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Richard Hieber" <Richard.Hieber@rrze.uni-erlangen.de>  
Subject: [11162] RE: qrp rtty/Pactor "and CW"  
Message-ID: <34DC977102@isis.rrze.uni-erlangen.de>

Hi John,

you wrote:

> I am not at home to double check but I "THINK" Hamcom WILL NOT support  
> Pactor... ??maybe Pactor listen ONLY??.

The most recent version 3.1 supports listening to PACTOR QSOs. This is only possible in the licenced version, not in the freely distributed shareware package. Only the PACTOR-I protocol can be monitored, but QSOs in version II of the protocol are still much rarer anyway. It is not possible to transmit in PACTOR with HamComm V3.1.

> I know that Hamcom will support;  
>  
> baudot rtty,  
> ASCII 7 and 8 bit,  
> AMTOR... listen, ARQ, and FEC  
> and CW (yes CW is a digital mode)...

Right. CW is fun, but if you haven't tried any other digital modes you don't know what you miss.

CUL es 72,  
Richard

--

Richard Hieber, DL8MFQ/AA8CP

EMAIL: Richard.Hieber@rrze.uni-erlangen.de

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Bob Follett" <bfollett@ditell.com>  
Subject: [11171] Re: qrp rtty/Pactor "and CW"  
Message-ID: <199702061634.JAA24338@orion.ditell.com>

Hi John:

<<Think I will end up using the Hamcom software...

That package of software includes a schematic for a unique (simple)  
hardware modem interface (no power supply necessary... its powered via  
the PC serial I/O)....>>

Yeah but....The missing hardware ingredient is a FSK VFO shifter in the Sierra.  
Wayne

Burdick "was" going to build one, but I have not heard that it ever got beyond  
the "its in my head" stage.

Are you designing one?

By the way, if you put the ABX mod. with Choke into the Sierra, you don't need  
to do anything on receive to handle the bandwidth. It covers about 350khz to  
about 1800khz+, which is more than enough for any "hf legal" digital mode.

73, Bob

-----  
Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
2861 Estates Dr. VOICE: 801.649.6457  
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "Frank Emens" <femens@iquest.com>  
Subject: [11176] Re: qrp rtty/Pactor "and CW"  
Message-ID: <199702061646.KAA13022@vespucci.iquest.com>

>Let's not crap up the band with digital transmissions<

I've gotta take some umbrage here. digital transmissions don't "crap up  
the band" unless they are made on the frequencies qrp-ers consider  
their own. Qrp digital transmissions in the fully rcognized digital  
part of the band shouldn't bother anybody -- and I'll make 'em any

time I want to. Don't squash a whole mode because a few users of it offend.

73,72

Things are more like they are now than they have ever been before  
Frank Emens femens@iquest.com

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Mike Robinson <miker@cc.com>  
Subject: [11209] Re: QRP Walt Disney World!!!  
Message-ID: <9702062039.AA20188@voder.nsc.com>

>  
> I'll be staying at the Disney Village in Lake Buena Vista/Kissimmee from  
> 17-21 February, I think.  
>  
> Any activity? Locals? Dinner? I've been down that way befoer JUUUUST a  
> few times in my 28 years but never as a hardcore QRPer.  
>  
> I'll have a rig or two, along with a balcony-mount B&W AP-10 54" base-loaded  
> whip, and maybe an Outbacker that I'll mount somewhere. I will try to get  
> myself placed on one of the higher floors.  
>  
> Would love to eyeball for dinner sometime, somewhere.  
>  
> \* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
> \*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 138 cfmd \* QRP-L #147 \*\*\*  
> \*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
> \* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*  
>  
>  
>

Now I know where my LDG kit money went! Just kidding. Have fun!

=====  
7.3 de Michael N7MR miker@cc.com michael@frii.com  
http://www.frii.com/~michael  
QRP-L #126 Norcal #857 CQC #180  
=====

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: Dave & Connie Matthews <dmatt@frontiernet.net>  
Subject: [11118] Re: QRP-L digest 627  
Message-ID: <199702060042.TAA51738@node1.frontiernet.net>

>

Dave Sjolín wrote:

>Before calling cq I asked "qrl" 3x and only once got response. If you  
>get interference shout and ask the other station to move. He probably  
>will give you some space.

Reasonable action..

>

>A pet peeve of mine and a factor that I think adds to qrm in our segment  
>has to do with frequency offset. It appears that many either don't know  
>how or don't bother to zero beat another station (I forgive the 49ers).

Please enlighten me. I know how to do this on a separate TX and RX.  
How would I go about zero beating when the rig is an OHR Explorer 2.  
There are exactly 4 knobs Tune, RIT, Bandwidth, and Volume. When I  
hit the key the receiver stops. What is the proper procedure to tune  
to another signal? The best that I have come up with is to tune for  
max signal strength - and probably tuning to the wrong place.

Thanks.

Dave  
KB2YWT

BTW: I got a pile of responses on the DSP 40 part number. I even  
found a few in the local stores and am going to grab one on the way  
home from work soon.

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Dave Sjolín <sjolin@swbell.net>  
Subject: [11134] Re: QRP-L digest 627  
Message-ID: <32F96928.465C@swbell.net>

Dave & Connie Matthews wrote:

>

> Please enlighten me. I know how to do this on a separate TX and RX.  
> How would I go about zero beating when the rig is an OHR Explorer 2.  
> There are exactly 4 knobs Tune, RIT, Bandwidth, and Volume. When I  
> hit the key the receiver stops. What is the proper procedure to tune  
> to another signal? The best that I have come up with is to tune for  
> max signal strength - and probably tuning to the wrong place.

>

Dave, I am lucky. On my radio, when the built-in sidetone and the station I am listening to both produce the same 800 hz tone, my transmit frequency is right on the money (+/- how good my ears are that day). I can send a series of dits with the vox off and listen for zero beat. I do this with the RIT off. Once you get used to the tone of a station that is zero beat, you can cheat and just tune for that sound with the RIT off.

If this won't work for you, you might want to work with several stations nearby that can tell you how close your transmitter is to being right on freq when a received signal is peaked. Or you could listen to both your self and another station on a seperate receiver. That should give you a good idea of how closely you are to zero beat now. You may be very close.

The whole idea is to know the tone of signal is that is right on freq. If you dont like that tone (some like high/some like low) then adjust the transmit offset so that a station zero beat is to your liking.

Putting a signal where you want it in a pileup takes the same kind of skill as knowing when to call. With qrp it can make a big difference because if you are not on freq the station you are calling is working stations, then you are not going to be heard. Someone with 1500 watts can be heard even if he is somewhat off frequency. We may not be.

Good luck. 73 de Dave, N0IT

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: ac4gt@juno.com (nathan c tart)  
Subject: [11135] Re: QRP-L digest 627  
Message-ID: <19970206.004230.4759.0.ac4gt@juno.com>

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
Subject: [11188] Re: QRP-L INFO & JOIN QRP.97  
Message-ID: <97Feb6.131205-0500\_est.10422-17662+13@hooch.cc.Lehigh.EDU>

> The system will also assign you a QRP-L Membership Number, which is free and  
> permanent. It is more or less a Club Membership number and is to be used for  
> some operating events.

Currently you have to request a Membership Number (after subscribing to the list) by sending the following command, in the body of an e-mail, to listserv@Lehigh.EDU:

RUN QRP-L X GETNR callsign

where "callsign" is your callsign or the word NONE. See the "welcome" message that is sent to you when you subscribe for more details. If you need another copy of the "welcome" message, use the following command:

GET QRP-L WELCOME.TXT

73

Jim N3VXI

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>  
Subject: [11190] Re: QRP-L INFO & JOIN QRP.97  
Message-ID: <97Feb6.132009-0500\_est.10422-15356+12@hooch.cc.Lehigh.EDU>

Gang,

If you want a three-digit member number, better get one soon, there's only 35 left!

73

Jim N3VXI

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [11193] Re: QRP-L INFO & JOIN QRP.97  
Message-ID: <v0300780eaf1fd28365ae@[129.74.35.16]>

All these things can be done on the Internet QRP Club's Web Site, including registering your own page (if you have one) in the Club's registry.

Go to:

<<http://qrp.cc.nd.edu/qrp-l/clubinfo.html>>

Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [11234] Re: QRPP  
Message-ID: <32FA6EFB.22E7@dancris.com>

If you want to know where your QRPP is, just ask your local Postmaster.

Once one person receives his/hers, that means they left the post office of mailing. From that time on, it's up to the local postal types to find the time to deliver them.

Don't complain to Doug. He has to mail them all at once in order to get the bulk rate, and then it's out of his hands. Once he says they're "in the mail" all you can do is wait. On occasion I have complained to the mail carrier, and the missing item usually appeared soon after.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)  
Subject: [11172] Re: QRPP First Class Mail  
Message-ID: <v01540b00af1fb8301495@[157.142.56.167]>

(snip)

>New Subscriptions and Renewals are now \$15 US and Canada, \$20 DX. Both Jim  
>and I feel that the change from bulk mail to first class will result in  
>much, much better service, while we do realize that we will still have  
>problems, they should be on a much smaller scale. These rates are effective  
>immediately. The first class service will begin with the Spring issue.  
>Thank you for your patience and understanding. We have tried to hold the  
>costs as low as possible for as long as we could, but we just cannot  
>continue with the problems that we now have with delivery of QRPP.  
>  
>72, Doug Hendricks, KI6DS

Speaking probably for a lot of the members, I have no problem with this

change AT ALL. I have been totally amazed at the return my meager investment of \$10 in a Norcal membership brought me. If I were told that I could only belong to one ham radio organization, Norcal would be the one! A big tip o' the hat to you and Jim for the seemingly tireless work you do on our behalf.

Mike N5JKY  
Edmond, OK

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Chris Cartwright <ccart@vidtel.com>  
Subject: [11174] Re: QRPp First Class Mail  
Message-ID: <Pine.LNX.3.93.970206114429.526C-100000@dns.vidtel.com>

On Thu, 6 Feb 1997, Mike McShan wrote:

> (snip)  
> >New Subscriptions and Renewals are now \$15 US and Canada, \$20 DX. Both Jim  
> >and I feel that the change from bulk mail to first class will result in  
> >much, much better service, while we do realize that we will still have  
  
> Speaking probably for a lot of the members, I have no problem with this  
> change AT ALL. I have been totally amazed at the return my meager

Agreed, my check is on it's way. I wonder, should I send that first class or third... ;)

|                                           |  |                  |
|-------------------------------------------|--|------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ccart@vidtel.com |
| -- Phone 301.990.0735 N3XRV QRP-L #655    |  | ccart@erols.com  |

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: jsielke@pobox.com  
Subject: [11177] Re: QRPp First Class Mail  
Message-ID: <m0vsX9X-0006FuC@ux1.cyberenet.net>

On 1997-02-06 wmcshan@REX.RE.uokhsc.edu said to jsielke@pobox.com  
>Sender: owner-qrp-l@Lehigh.EDU  
>Precedence: bulk  
>Mime-Version: 1.0  
>X-Listprocessor-Version: 8.0 -- ListProcessor(tm) by CREN



>(snip)  
>>New Subscriptions and Renewals are now \$15 US and Canada, \$20 DX.  
>>Both Jim and I feel that the change from bulk mail to first class  
>>will result in much, much better service, while we do realize that  
>>we will still have problems, they should be on a much smaller  
>>scale. These rates are effective immediately. The first class  
>>service will begin with the Spring issue. Thank you for your  
>>patience and understanding. We have tried to hold the costs as  
>>low as possible for as long as we could, but we just cannot  
>continue with the problems that we now have with delivery of QRPp. >  
>>72, Doug Hendricks, KI6DS

As probably the newest member, (I sent my \$10 last week) I have no problem either. However, does this mean I won't get a copy of QRPp until the Spring Issue? One of the reasons I subscribed in a hurry was I wanted the article on the Sierra Power mods.

-- N4JS --  
John L. Sielke n4js@amsat.org  
n4js@hotmail.com n4js@n4js.ampr.org  
<http://www.pobox.com/~n4js>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [11112] Re: Reverse Polarity Protection  
Message-ID: <855187126.1017596.0@gqrpclub.demon.co.uk>

Reverse polarity protection:  
Also on my web site  
---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web sites: <http://www.gqrpclub.demon.co.uk>  
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [11219] Re: SOLD DSP-9 Tks  
Message-ID: <199702062038.PAA26592@alaska.magpage.com>

Yep, it' gone out with one of my QSL's. The DSP-9 is gone

TKS All, Jim K3QIO

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: Chris Cartwright <ccart@vidtel.com>  
Subject: [11214] Re: Thanks for a job well done.  
Message-ID: <Pine.LNX.3.93.970206161747.1330C-1000000@dns.vidtel.com>

On Thu, 6 Feb 1997, Mike Robinson wrote:

> Scott,  
>  
> Thanks for a job well done. You took on a huge

Just wanted to add my thanks, the kit was delivered last night, and of course the weekend is already allocated to everything but building! Should have some hints, tips, comments, and pictures on the web by next weekend. Soon people will have to "D" all the AT-11 posts just to keep up! Thanks again Scott, got a sked for FL yet?

72

|                                           |  |                  |
|-------------------------------------------|--|------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ccart@vidtel.com |
| -- Phone 301.990.0735 N3XRV QRP-L #655    |  | ccart@erols.com  |

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [11122] Re: Tool needed  
Message-ID: <199702060220.UAA25409@admin.inetport.com>

Could this be a Bristol wrinch???

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89  
ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 FL)

From owner-qrp-1@Lehigh.EDU Thu Feb 6 18:02:53 1997  
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)  
Subject: [11111] Re: [10993] Earphone Impedance

Message-ID: <199702060039.QAA23681@netcom7.netcom.com>

This also means you can plug mono phones in, but if you use a conductive case at ground, then the body connection will also be at ground, and you'll just short one side of the stereo headphones, and get audio in only one side, at the impedance of one side.

If you have an insulated jack, non-conductive case, or otherwise float the shank connection (what is the right word for this? tip, ring, ?????) of the headphone jack, it'll work just fine.

73, doug

Date: Tue, 04 Feb 1997 21:20:45 -0500

From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>

Hey gang....it just dawned on me last evening that most stereo earphones that have a two circuit plug on them can be run with the two halves in series by just making the connection to the ring and tip of the plug. The remainder of the series connection is taken care of by the plug. Ups the impedance by a factor of 4 if you are driving them in parallel from a mono output. Am I the only one who didn't realize this condition existed?? Sure ups the outout from the 38S with my crummy earphones that go to my personal tape player.

72....Jim

|                             |         |                       |
|-----------------------------|---------|-----------------------|
| Jim Kortge, K8IQY (ex NU8N) |         | BMHA, NorCal, QRP-L   |
| jokortge@tir.com            |         | __o Cascade 17/40 SSB |
| Fenton, MI                  |         | `\< Mizuho 17/40 SSB  |
| ...                         | (*)/(*) | .                     |

From owner-qrp-l@Lehigh.EDU Thu Feb 6 18:02:53 1997

From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)

Subject: [11109] Re: [11059] RE: Demise of 624 Kits

Message-ID: <199702060030.QAA22914@netcom7.netcom.com>

His email address is pbunn624@teleplex.net (Pat Bunn).

He's got the list of parts on line and can send you a copy.

Date: Wed, 5 Feb 1997 12:33:35 -0500 (EST)

From: Chris Cartwright <ccart@vidtel.com>

On Wed, 5 Feb 1997, JOHN F. McCLUN wrote:

> Pat Burns, N4LTA, has announced that 624 Kits is no longer selling  
> kits except for the 6 M Amp and transceiver. He does say that he has  
> a lot of excessive inventory left and would like to dispose of it. So  
> contact 624 Kits for pricing list.

For them who asked:

|                       |                                    |
|-----------------------|------------------------------------|
| "624 Kits"            | (803) 579-6262 day / 583-1304 eve. |
| 171 Springlake Drive  |                                    |
| Spartanburg, SC 29302 | (QRP kits & accessories)           |